Nuclear Attack Planning Base-1990 Final Project Report

Annex A Direct Effects & Fire Risk Statistics & Maps





This annex provides two summaries of the Direct Effects and Fire Risks to the U.S. resident population and land area.

PART 1. POPULATION GRID FILE (PGF) MAPS AND DATA

This part shows actual resident population and land area at risk from direct effects and fire as computed from PGP data. For a discussion of the methodology employed to obtain this data see Part 1, "Project Overview". This data is presented in regional summaries and computer-generated State map plots of PGP points showing blast overpressure and coexistent fire risk envelopes beginning on the pages following.

PART 2. HIGHEST DIRECT EFFECTS RISK BY COUNTY

This part, which begins on page A=81, shows county resident population and land area under direct effects risk based upon the highest recorded risk level within the county regardless of actual area covered by blast. This summary also includes counties which are "risk free", i.e., counties where blast overpressures were less than 0.5 psi.

PART 1. TABLE OF CONTENTS

NATIONAL Blast and Fire Risk Summary A-	- 5
REGION I Blast and Fire Risk Summary A	- 7
Connecticut A	- 8
Maine A	- 9
Massachusetts A-	- 10
New Hampshire A	- 11
Rhode Island A	- 12
Vermont A	- 13
ASTROLIC ************************************	
REGION II Blast and Fire Risk Summary A	- 15
New Jargey k	- 16
Name York	- 1/
Puerto Rico A	- 18
Territory of the Virgin Islands A	- 19
REGION III Blast and Fire Risk Summary A	- 21
Delaware A	- 22
District of Columbia A	- 23
Maryland A	- 24
Donneyl wania	- 25
Virginia A	- 26 - 27
West Virginia A	- 27
REGION IV Blast and Fire Risk Summary	- 29
Alabama	
Florida	- 31
Georgia	- 32
Kentucky	·- 33
Mississippi	- 34
North Carolina	\- 35
South Carolina	- 36
Tennessee	s- 37
REGION V Blast and Fire Risk Summary	A- 39
Tllingis	4- 40
Indiana	A- 41
Michigan	A- 42
Minnerota	A- 4:
Ohio	A- 44
	A- 45

PART 1. TABLE OF CONTENTS (Continued)

REGION VI Blast and Fire Risk Summary		47
Arkansas		48
Louisiana	A-	49
New Mexico	A-	50
Oklahoma	A	51
Texas	A-	52
REGION VII Blast and Fire Risk Summary	A-	53
Iowa	A-	54
Kansas	A-	55
Missouri	A-	56
Nebraska	n-	57
Nessana vvii	A-	5,
REGION VIII Blast and Fire Risk Summary	A-	59
Colorado		60
Montana		61
North Dakota		61
South Dakota		63
Utah		64
Wyoming	A-	65
		67
REGION IX Blast and Fire Risk Summary		
Arizona		68
California		69
Hawaii		70
Nevada		71
American Samoa		72
Guam		73
Trust Territory	A-	74
REGION X Blast and Fire Risk Summary	A-	75
Alaska	A-	76
Idaho	λ-	77
Oregon	A-	78
Washington		79
	~	,,,

SUMMARY FIRE RISK RFFECTS & DIRECT NATIONAL

MEDIUM

HIGH

VERY HIGH

TOTALS

REGION/DATA

The state of the s												
			GT 10 psi	p81	5 to 10 psi	pai	2 to 5 psi	si	.5 to 2 psi	psı	LT .5 pai	pat
Brender der	100 11 5000000	6	2006012	(123)	1597471 (.13)	133	2539876 (121)	(121)	3085258 (.25)	(.25)	2200690 (.18)	(18)
Population		3			*36*	4264 (03)	40.00	4030 (00)	14022 (24	196	30407	(62)
Land Area	61682 (1.00	3	7		0/1		1000	1	200000		00000	
I Population	28524821 (1.00)	60	6216782	.23)	5247384 (.18)	:18	7174415 (+25)	•52)	5002208 (.18)	.18)	4684032	(:
Tand Area	58436 (1,00)	(00	1931	(*03)	2418 (.04	:04	6496 (.11	:	27594 (.47)	.47	27594	.47
IT Pomilation	25107876 (1.00)	8	5561771	(.22)	3826977 (115)	(115)	5290161 (+21)	(121)	5591624 (+23)	(*53)	4837343	(61.)
Tend bres	120550 (1,00)	00	4047	(*03)	4480 (.04	(.04)	14176 (.12	(17)	41433 (.34	(34)	56415	(.47)
W Donnlation	42442705 (1,00)	8	5767158	(91.)	3985872 (.09)	(60.)	(91.) 1669289	(91.)	8190581 (.19)	(61.)	17642103 (.42)	(.42)
	379046 (1.00)	6	4788	(10.)	6069 (.02	(*05)	21348 (.06)	(90.)	83971 (.22)	(*25)	262888 (.69)	(69.)
Ponulation	45687087 (1.00)	6	7118361 (.16)	(91.)	5517272 (.12)	(112)	9692910 (.21)	(121)	9307723 (.20)	(.20)	14050821 (,31)	(181)
Tand avea	323545 (1.00	00	4465	(10.)	5512	5512 (.02)	18219 (.06)	(90.)	69267 (-21)	(-21)	226082 (.70)	(02.)
T Donnil at ion	28140362 (1.00)	6	4692255 (.17)	.17	3674256 (.13)	(13)	5871072 (.21)	(121)	5250122 (.19)	(010)	8652657 (+31)	(181)
Tand bres	548583 (1,00)	00	4703 (.01)	10.0	5348	5348 (.01)	19637 (.04	(*04)	80016 (+15)	.15)	439536 (.80	(08.)
TT Population	11925241 (1.00)	6	1818840 (-15)	(31.)	1021635 (.09)	(60.)	1827679 (.15)	(115)	1931387 (.16)	(91.)	5325700 (.45)	(.45)
Tand area	282971 (1.00)	60	4671 (.02)	(*05)	4713	4713 (.02)	13463 (.05	(30.)	31919 (.11)	:	227857	(181)
TIT Donnlation	7709731 (1.00)	600	1746086 (-23)	(*53)	1061814 (+14)	(14)	1184503 (.15)	(115)	1143293 (.15)	(*15)	2574035 (.33)	(:33)
Land Area	573497 (1.00	6	14118	(*05)	14208 (.02	(.02)	34450 (.06	(90.)	60495 (.11	:13	450246 (-79	(64.)
X Population	31504342 (1.00)	8	9874143 (.31)	(181)	5447048 (.17)	(11)	8475761 (+27)	(+27)	3917593 (112)	(12)	3789797 (.09	(60.)
Land Area	386970 (1.00	60	4518	(101)	3883	3883 (.01)	13087 (.03)	(*03)	50440 (-13	:13)	323363 (.84	(*84)
Population	8634750 (1.00)	(00	1553869 (+18)	(18)	808164 (.09)	(60.)	1390051	(91.)	1949326 (-23	(:53)	933340 (-34	.34)
Land Area	815946 (1.	(1.00)	364	364 (xxx)	1514	(xxx)	5829	:01	26869 (03	(*03)	780370	(96)
00011 011001001000	11 011001010	6	47246177 (.20)	(00)	12187893	(13)	50303419	(121)	45369115	.19	(2.1) 50303419 (.21) 45369115 (.19) 66690518 (.27)	(.27)
Land Area	3551226 (1.00)	8	46352	3	49896	(10.) 96869	151535	.04)	479329 (.13)	:13	2832758	(08.)

(xxx) Less than 1 percent

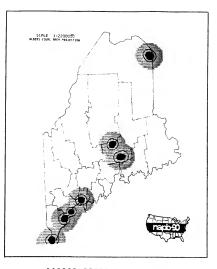
DIRECT EFFECTS & FIRE FEMA REGION

		TOL	TOTALS	VERY HIGH GT 10 psi	IGH ps:	HIGH 5 to 10 pei	1961	AEDIUM 2 to 5 psi	psí	LOW .5 to 2 psi	2 psi	NONE LT .5 psi	100
CONNECTICUT	Population Land Area	3165461 (1.00)	(1.00)	699055 (.22) 439 (.09)	055 (.22) 439 (.09)	385023 (.12) 434 (.09)	023 (.12) 434 (.09)	1061179 (+33) 1259 (+26)	(.33)	30981	30981 (.01) 2745 (.56)	285635 (.09) -5 (N/A)	35 (.09) -5 (N/A)*
MAINE	Population Land Area	1160878 (1.00) 30995 (1.00)	60878 (1.00) 30995 (1.00)	147069 (.13) 233 (.01)	233 (.01)	307 (*01)	(.05)	123388 (.10)	(.03)	284644 (•24) 4602 (•15)	(.15)	544882 (.47) 24785 (.80)	.80
MASSACHUSETTS Population Land Area	Population Land Area	5503475 (1.00) 6497 (1.00)	3475 (1.00) 6497 (1.00)	1695805 (•31) 799 (•12)	(.12)	919397 (.17) 661 (.10)	(.10)	1159268 (•21) 1603 (•25)	(.21)	1231466 (-22) 4332 (-67)	(.22)	497559 (.09) -898 (N/h)	7559 (.09) -898 (N/A)*
NEW HAMPSHIRE Population Land Area	Population Land Area	990437 (1.00) 8992 (1.00)	(1.00)	123897 (-12)	897 (.12) 116 (.01)	86061 (.09) 164 (.02)	(.09)	162657 (*16) 392 (*04)	(.04)	203258 (.20) 1545 (.17)	3258 (.20) 1545 (.17)	414564 (.42) 6775 (.75)	(.75)
RHODE ISLAND	Population Land Area	965471	1054 (1.00)	208537 (+21)	537 (+21)	186688 (•19)	. 15 (51.5)	362265 (.37) 439 (.42)	(.37)	259704 (.20) 287 (.27)	(.20)		88
VERMONT	Population Land Area	534485	534485 (1.00) 9272 (1.00)	22549 (.02) 21 (xxx)	49 (.02) 21 (xxx)	27407 (+06) 21 (xxx)	(*0¢) (xxx)	28710 (•06) 69 (•01)	10 (.06) 69 (.01)	45007 545	545 (.06)	410812 (.75) 8616 (.93)	(.93)
REGION I	Population 12320201 (1.00) Land Area 61682 (1.00)	12320201	20201 (1.00)	2896912 (+23)	6912 (.23) 1772 (.03)	1597471 (.13)	(.13)	2539876 (+21) 4830 (+08)	9876 (.21) 4830 (.08)	3085258 (.25)	85258 (.25) 14922 (.24)	38047 (.62)	(.18)

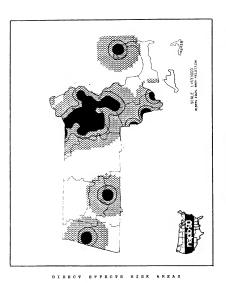
*[NOTE: Anomaly caused by State resource grid points overlapping the State boundaries.] (xxx) Less than 1 percent



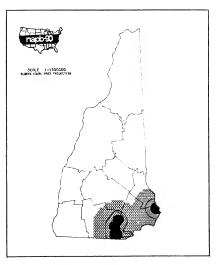
FEMA REGION I - CONNECTICUT



FEMA REGION I - STATE OF MAINE



PEMA REGION I - MASSACHUSETTS



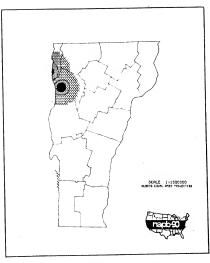
FEMA REGION I - STATE OF NEW HAMPSHIRE



SCALE 1:1300000 RUSEIN EDURE MEA PROJECTION

DIRECT EFFECTS RISK AREAS

FEMA REGION I - RHODE ISLAND



FEMA REGION I - STATE OF VERMONT

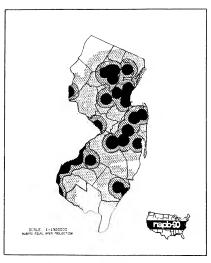
BFFECT & FIRE ALSKS FRMA REGION II -- DIRECT

NONE

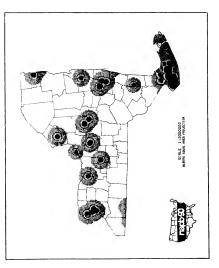
LOW

STATE/DATA		TOT	TOTALS	VERY HIGH GT 10 ps1	10H 10H	HIGH 5 to 10 psi	AZDIUM 2 to 5 psi	.5 to 2 psi	LT .5 pet
NEW JERSEY	Population Land Area	7551161 (1.00)	1161 (1.00)	1158926 (-15)	1926 (.15) 614 (.08)	1509143 (.20)	2795018 (+37) 2264 (+30)	1792627 (.24)	95447 (.04) -970 (N/k)
NEW YORK	Population Land Area	17774143 (1.00) 43377 (1.00)	43377 (1.00)	4999963 (•28) 1317 (•03)	9963 (+28)	3657085 (+21) 1577 (+04)	3932084 (.22) 4232 (.10)	2595023 (.15) 15282 (.35)	589988 (.14) 20969 (.48)
PUBRTO RICO	Population Land Area	3196520 (1.00) 3459 (1.00)	(1.00)	57893 (.02)	(*05)	81156 (+03)	447313 (-14)	614558 (.19)	968600 (.63)
VIRGIN ISLANDS Population Land Area	Population Land Area	104294	132 (1.00)	##		::	::	::	::
REGION II	Population Land Area	283	24821 (1.00) 58436 (1.00)	6216782 (.22)	6782 (.22) 1931 (.03)	5247384 (.18) 2418 (.04)	7174415 (.25) 6496 (.11)	5002208 (.17)	684032 (.17) 27594 (.47)
	* (NOTE: And	maly caus	ed by St	ate resour	ce gri	d points overlap	* (NOTE: Anomaly caused by State resource grid points overlapping the State boundaries.)	oundaries.]	

*** Data not available this.printing



FEMA REGION II - NEW JERSEY



FEMA REGION II - NEW YORK

[MAP WILL BE FURNISHED SEPARATELY] DIRECT EFFECTS RISK AREAS FEMA REGION II - PUERTO RICO Black Area: Equal to or greater than 5.0 psi

Ringed Area: Equal to or greater than 2.0 psi Unringed Area: Equal to or greater than 0.5 psi [MAP WILL BE FURNISHED SEPARATELY] DIRECT EFFECTS RISK AREAS FEMA REGION II - TERRITORY OF THE VIRGIN ISLANDS

RISKS RPRCTS DIRECT i III REGION FENA

STATE /DATE		TOT	TOTALS	VERY HIGH	HOT	HIGH		MEDIUM		TON	3	NONE	ы
				GT 10 pst	pst	5 to 10 psi	pet	2 to 5 psi	+	.5 to 2 psi	2 pst	Lf .5 psi	p81
SIST OF COLUMBIA	Population Land Area	618906 (1.00)	1.00	379799 (.61)	99 (.61)	182859 (.29)	38 (.41)*	. 26	15 (.16)*	11	(000.)	11	600.
DELAWARE	Population Land Area	530229	530229 (1.00) 1933 (1.00)	158757 (.30)	(30)	77026 (15)	026 (.15)	151013 (-28) 412 (-21)	(.21)	36073 (+08) 688 (+36)	.073 (.08) 688 (.36)	107360 (.19) 547 (.28)	(.19)
ARYLAND	Population Land Area	4381743 (1.00) 9838 (1.00)	(1.00)	1084306 (+25) 762 (+08)	(.25)	843253 (•19) 820 (•08)	(.08)	1254439 (+29) 2391 (+24)	(.29)	866103 (.20) 4810 (.49)	(.20)	333642 (+08) 1057 (+11)	: : :
PENNSYLVANIA	Population Land Area	11909083 (1.00) 44892 (1.00)	(1.00)	2395327 (.20) 1566 (.03)	(.20)	1870960 (.16) 1888 (.04)	(.04)	2578836 (.22) 6020 (.13)	(.13)	2908707 (.24) 17246 (.38)	(.24)	2155253 (•18) 18172 (•40)	.46
VINGINIA	Population Land Area	5715659 (1.00) 39700 (1.00)	(1.00)	1358668 (.24)	(.24)	765990 (.13) 1068 (.03)	(.03)	976016 (.17) 3349 (.08)	(.17)	1111036 (.19)	(.30)	1503949 (.26) 22365 (.56)	(.26)
WEST VIRGINIA	Population Land Area	1952256 (1.00) 24124 (1.00)	52256 (1.00) 24124 (1.00)	184914 (.09) 439 (.02)	914 (.09) 439 (.02)	86709 (.05) 492 (.02)	(.05)	282609 (-14) 1989 (-08)	(.08)	669705 (.34)	9705 (.34) 6877 (.29)	728319 (.38) 14372 (.60)	(.60)
REGION III	Population Land Area	25107876 (1.00) 120550 (1.00)	107876 (1.00)	5561771 (+22) 4047 (+03)		3826977 (.15)	(.15)	5290161 (.21)	90161 (.21)	5591624 (.22) 41433 (.34)	(.34)	4837343 (-19) 56415 (-47)	(.19)
•	* Nove: annealy caused by State resource grid points overlapping the State boundaries.	ly caused	by Stat	e resour	pe orid	points o	verlap	ping the 3	State 1	oundaries	-		

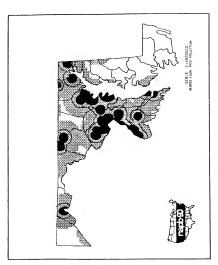


FEMA REGION III - DELAWARE

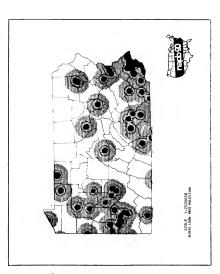
[MAP WILL BE FURNISHED SEPARATELY] DIRECT EFFECTS RISK AREAS FEMA REGION III - DISTRICT OF COLUMBIA AREA

Black Area: Equal to or greater than 5.0 psi

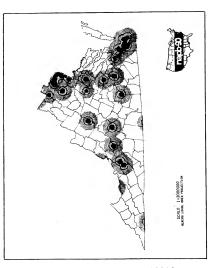
Ringed Area: Equal to or greater than 2.0 psi Unringed Area: Equal to or greater than 0.5 psi



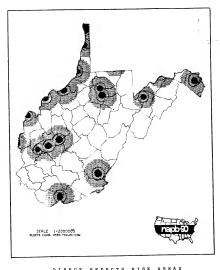
FEMA REGION III - MARYLAND



FEMA REGION III - PENNSYLVANIA



FEMA REGION III - VIRGINIA



DIRECT EFFECTS RISK

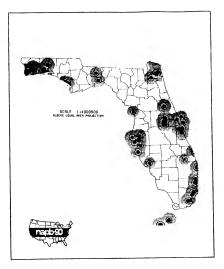
FEMA REGION III - WEST VIRGINIA

DIRECT RFFECTS & FIRE

STATE/DATE	H H	TOTALS	S.T.	VERY HIGH GT 10 ps1	HIGH ps1	HIGH 5 to 10 psi	B psi	MEDIUM 2 to 5 psi	t bat	LOW .5 to 2 psi	2 psi	NONE LT .5 ps1	#
ALABAMA	Population	3959145 (1.00) 50739 (1.00)	59145 (1.00)	496537 (.13)	537 (.13)	428603 (.11) 747 (.01)	603 (.11)	557090 (*14) 2629 (*05)	(14)	686281 (.17)	5.33	1790634 (.45)	(.63)
FLORIDA	Population Land Area	11883346 (1.00) 63397 (1.00)	(1.00)	2457768 (.21)	7768 (.21)	1587622 (•13) 1397 (•02)	(.13)	2485369 (.21) 5025 (.08)	5369 (.21) 5025 (.08)	2094563 (.18)	(.18)	3258024 (.27) 37920 (.60)	(.50)
GEORGIA	Population Land Area	5929253 (1.00) 58117 (1.00)	29253 (1.00)	820023 (-14) 746 (-01)	023 (.14)	632291 (.11) 952 (.02)	291 (.11)	1312362 (.22) 3629 (.06)	2362 (.22) 3629 (.06)	1192531 (.20) 12188 (.21)	(.20)	1972026 (.33) 40602 (.70)	(.70)
KENTUCKY	Population Land Area	3730146 (1.00) 39639 (1.00)	39639 (1.00)	403894 (-11) 397 (-01)	894 (.11)	289245 (.08) 566 (.01)	245 (.08) 566 (.01)	448707 (-12) 1862 (-05)	8707 (.12) 1862 (.05)	905660 (.24) 7940 (.20)	(.24)	1682640 (.45)	(.73)
MISSISSIPPI	MISSISSIPPI Population Land Area	2617133 (1.00) 47174 (1.00)	17133 (1.00) 47174 (1.00)	228224 (.09) 413 (.01)	224 (.09)	187546 (•07) 493 (•01)	(.01)	315988 (.12) 1797 (.04)	5988 (.12) 1797 (.04)	380394 (•15) 7297 (•15)	0394 (.15) 7297 (.15)	1504981 (+57) 37192 (+79)	(.57)
N. CAROLINA	N. CAROLINA Population Land Area	6233774 (1.00) 48843 (1.00)	33774 (1.00) 48843 (1.00)	391174 (-06) 540 (-01)	174 (-06)	256164 (+04) 597 (+01)	6.03	732968 (-12) 2439 (-05)	(.12)	1251116 (•20) 9469 (•19)	1116 (.20) 9469 (.19)	3602352	(.73)
S. CAROLINA	S. CAROLINA Population Land Area	3343422	3343422 (1.00)	341270 (-10)	270 (-10) 333 (-01)	245008 (.07) 519 (.02)	519 (.02)	356102 (*11) 1724 (*06)	6102 (.11) 1724 (.06)	649206 (-19) 7078 (-23)	(-19)	1751836 (.52) 20553 (.68)	(.52)
TENNESSEE	Population Land Area	4746516	4746516 (1.00) 40930 (1.00)	628268 (.13) 503 (.01)	503 (.01)	359393 (•08) 798 (•02)	393 (.08) 798 (.02)	648405 (*14) 2243 (*05)	8405 (*14) 2243 (*05)	1030830 (.22) 7390 (.18)	0830 (.22) 7390 (.18)	2079620 (.44) 29996 (.73)	(.73)
REGION IV	Population Land Area	42	442705 (1.00) 379046 (1.00)	5767158 (*16) 4788 (*01)	4788 (.01)	3985872 (.09) 6069 (.02)	5872 (.09)	6856991 (.16) 21348 (.06)	56991 (.16) 21348 (.06)	8190581 (.19) 83971 (.22)	83971 (.22)	17642103 (.42) 262888 (.69)	(.69)



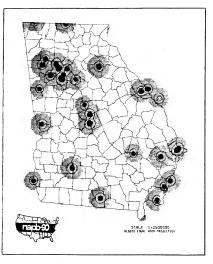
FEMA REGION IV - ALABAMA



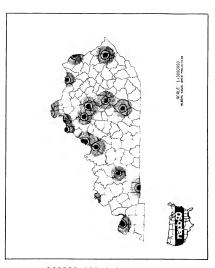
FEMA REGION IV - FLORIDA.

Black Area: Equal to or greater than 5.0 psi

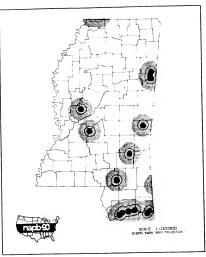
Ringed Area: Equal to or greater than 2.0 psi Unringed Area: Equal to or greater than 0.5 psi



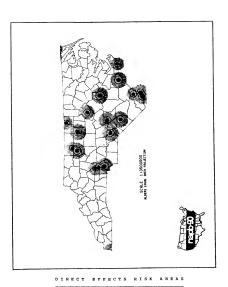
FEMA REGION IV - GEORGIA



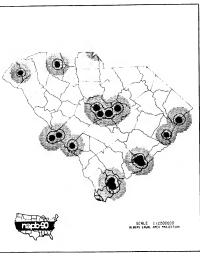
FEMA REGION IV - KENTUCKY



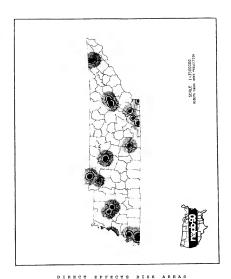
PEMA REGION IV - MISSISSIPPI



FEMA REGION IV - NORTH CAROLINA



FEMA REGION IV - SOUTH CAROLINA

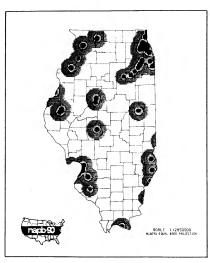


FEMA REGION IV - TENNESSEE

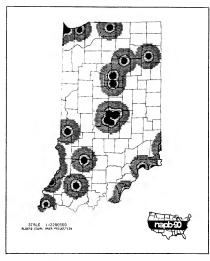
RISKS BFFECTS 6 FIRE DIRECT i Þ REGION FEHA

STATE/DATA	DATA	TOTALS	VERY HIGH GT 10 ps4	TGH P81	HIGH 5 to 10 pai	MEDIUM 2 to 5 psi	.5 to 2 pai	NONE LT .5 psi	16
ILLINOIS	Population Land Area	11557256 (1.00) 51586 (1.00)	2085709 (.18)	5709 (.18) 1275 (.02)	1624701 (.14)	3225483 (*28) 4158 (*08)	1914989 (.17)	2706374 (.23) 32186 (.62)	(.23)
INDIANA	Population Land Area	5499636 (1.00) 35963 (1.00)	783413 (•14) 555 (•02)	(145)	683 (.02)	789434 (.14) 2439 (.07)	1088128 (.20)	2231224 (.41)	5.0
MICHIGAN	Population Land Area	9030778 (1.00) 57019 (1.00)	1570330 (.17)	0330 (.17)	1220636 (•14)	1918858 (.21) 4227 (.07)	1952054 (+22)	2368900 (.26) 32643 (.57)	(.26)
MINNESOTA	MINNESOTA Population Land Area	4181231 (1.00) 79547 (1.00)	645927 (.16) 413 (.01)	(927 (.16)	446913 (+11)	589812 (•14) 1333 (•02)	,515383 (•12) 4745 (•06)	1983196 (.47) 72638 (.91)	6.65
OHIO	Population Land Area	10638633 (1.00) 41006 (1.00)	1605297 (.15) 878 (.02)	297 (.15) 878 (.02)	1490643 (+14) 1571 (+04)	2611992 (-25) 4819 (-12)	3082059 (.29) 18690 (.46)	1848642 (.17) 15048 (.37)	(.37)
WISCONSIN	WISCONSIN Population Land Area	4779553 (1.00) 54424 (1.00)	427685 (+09) 302 (+01)	685 (.09) 302 (.01)	126942 (.03) 264 (xxx)	557331 (*12) 1243 (*02)	755110 (.16) 4613 (.08)	2912485 (+31) 48002 (+88)	(.88)
REGION V	Population Land Area	45687087 (1.00) 323545 (1.00)	7118361 (-16)	8361 (.16)	5517272 (.12) 5512 (.02)	9692910 (.21)	9307723 (.20) 69267 (.21)	14050821 (.31)	£.65
			5	cxx) Le	(xxx) Less than 1 percent	ant			

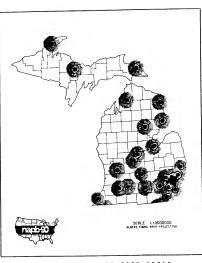
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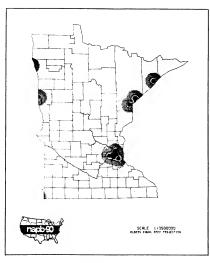
FEMA REGION V - ILLINOIS



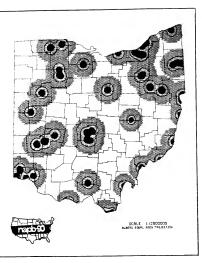
FEMA REGION V - INDIANA



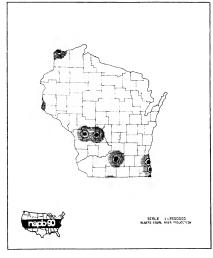
PEMA REGION V - MICHIGAN



FEMA REGION V - MINNESOTA



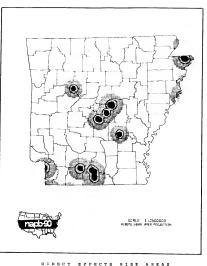
FEMA REGION V - OHIO



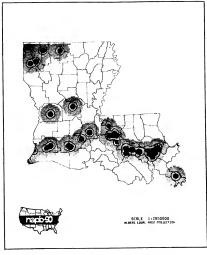
FEMA REGION V - WISCONSIN

VI -- DIRECT BPPECTS & FIRE RISKS FEMA REGION

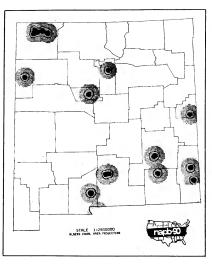
-	(.85)	(.61)	(.89)	(.72)	(.25)	80)	
NONE LT .5 psi	1531985 (.65) 44184 (.85)	1442877 (.32) 27158 (.61)	437224 (.30) 107709 (.89)	1193520 (.35) 49718 (.72)	4047051 (.25) 210470 (.80)	8652657 (.31) 439536 (.80)	
LOW .5 to 2 psi	288032 (.16) 6009 (.12)	785040 (.19) 11998 (.27)	286246 (.12) 10331 (.09)	744644 (.17) 14553 (.21)	37125 (.14)	\$250122 (*19) 80016 (*15)	
MEDIUM 2 to 5 psi	294869 (.21) 1291 (.02)	705803 (.12) 3438 (.08)	363755 (.16) 2826 (.02)	634233 (+25) 2962 (+04)	3872412 (.19) 9120 (.03)	5871072 (.21) 19637 (.04)	
HIGH 5 to 10 psi	117493 (*13) 333 (*01)	806928 (.05) 1095 (.02)	131289 (*18) 555 (xxx)	427257 (.09) 762 (.01)	2191289 (.13) 2603 (.01)	3674256 (+13) 5348 (+01)	
VERY HIGH GT 10 pai	131262 (+06) 265 (xxx)	784371 (-17) 1095 (-02)	242269 (+16) 545 (xxx)	365265 (+11)	3169088 (•19) 2401 (•01)	4692255 (.17) 4703 (.01)	
TOTALS	2363641 (1.00) 52082 (1.00)	4525019 (1.00) 44520 (1.00)	1460783 (1.00) 121336 (1.00)	3364919 (1.00) 68656 (1.00)	16426000 (1.00) 261989 (1.00)	28140362 (1.00) 548583 (1.00)	
STATE/DATA	Population Land Area	Population Land Area	MEXICO Population Land Area	Population Land Area	Population Land Area	Population Land Area	
STAT	ARKANSAS	LOUISIANA	NEW MEXICO	OKTAHOMA	TEXAS	REGION VI	



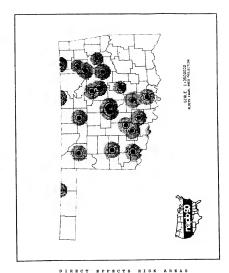
FEMA REGION VI - ARKANSAS



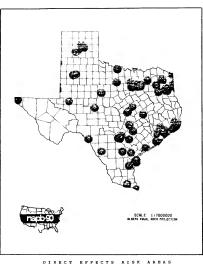
FEMA REGION VI - LOUISIANA



FEMA REGION VI - NEW MEXICO



FEMA REGION VI - OKLAHOMA



FEMA REGION VI - TEXAS

RISKS DIRECT SPRECTS & FIRE FEMA REGION VII --

STAT	STATE/DATA	TOTALS	8 48	VERY HIGH Gt 10 psi	E 18	and of the fact	pet	MEDIUM 2 to 5 psi	psi	.5 to 2 psi	pst	NONE IT .5 psi	184
DWA	Population Land Area	2906939 (1.00) 55964 (1.00)		226352 (.08) 249 (xxx)	.08) xxx	165728 (.06)	.06)	292060 (.10)	(.10)	338110 (.12)	8110 (.12) 4783 (.09)	1884689 (.65) 49496 (.88)	(.65)
ANSAS	Population Land Area	2454933 (1.00) 81792 (1.00)	453	453042 (.18) 608 (.01)	.01	(70°) (12379 (10°) (100)	379 (.07) 693 (.01)	401889	(.16)	541493 (.22) 13420 (.16)	(.22)	885130 (.36) 64330 (.79)	.36
ISSOURI	Population Land Area	4968558 (1.00) 68576 (1.00)		967727 (.20) 2936 (.04)	(.04)	603807 (.12) 2571 (.04)	(.04)	936030 (*19) 6247 (*09)	(.19)	601981 (.12) 8262 (.13)	0.12	1859013 (.37) 48194 (.70)	(.37)
EBRASKA	Population Land Area	1614811 (1.00) 76639 (1.00)	171	(11.) (111) 878 (.01)	££	78721 (.05) 1148 (.01)	(.01)	170700 (.11) 3322 (.04)	(.04)	449803 (.28) 5454 (.07)	9803 (.28) 5454 (.07)	743868 (.46)	(.86)
BGION VIL	EGION VII Population Land Area	11925241 (1.00) 282971 (1.00)	1	18840	1818840 (.15)	1021635 (.09)	(.02)	1827679 (.15)	27679 (.15) 13463 (.05)	1931387 (.16) 31919 (.11)	31387 (.16)	5325700 (.45) 227857 (.81)	(.81)
				(xx)	c) Les	(xxx) Less than 1	percent	u					

manyard man many (xxx)

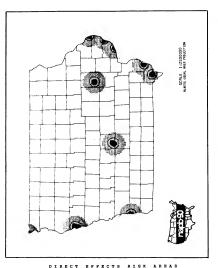
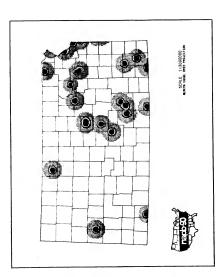
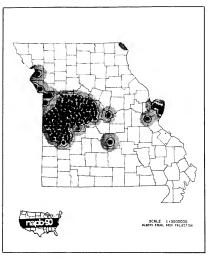


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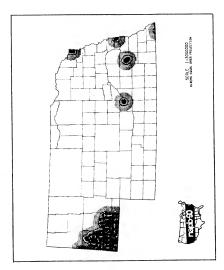
FEMA REGION VII - IOWA



FEMA REGION VII - KANSAS



FEMA REGION VII - MISSOURI

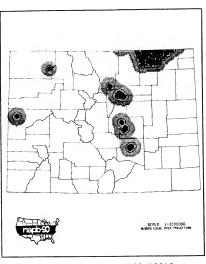


FEMA REGION VII - NEBRASKA

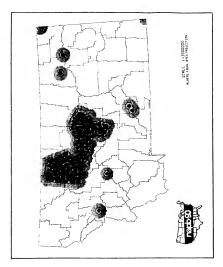
EFFECTS DIRECT III REGION

STATE/OATA	OMTA	TOT	TOTALS	UERY HIGH GT 10 psi	ICH pst	HIGH 5 to 10 psi	pet	AEDIUM 2 to 5 psi	D84	.5 to 2 psi	2 psi	NONE LT .5 psi	pai
COLORADO	Population Land Area	3250118 (1.00) 103652 (1.00)	250118 (1.00)	757230 (.23)	230 (.23)	369050 (.11)	1043 (.01)	641107 (.20)	(.20)	648655 (.20) 174 (xxx)	655 (•20) 174 (xxx)	834076 (.26) 98775 (.95)	(.26)
MONTANA	Population Land Area	832872	332872 (1.00) 145365 (1.00)	216472 (.27) 3190 (.02)	6472 (.27) 3190 (.02)	3107 (.08)	(.08)	56899 (.07) 10943 (.08)	(.08)	36289 (.05) 19123 (.13)	(.13)	450299 (.53) 109002 (.75)	(.53)
NORTH DAKOTA Population Land Area	Population Land Area	697576	697576 (1.00) 69344 (1.00)	185802 (•27) 5581 (•08)	5802 (.27) 5581 (.08)	34321 (.04) 5322 (.08)	(.08)	84588 (+11) 9262 (+13)	55	115679 (.17)	(.17)	33409 (.48)	.40
востн ракота	Population Land Area	708728	75956 (1.00)	92921 (.13) 2687 (.04)		27469 (+04)	7469 (.04)	58215 (+08) 5321 (+07)	8215 (.08) 5321 (.07)	76474 (.11) 7802 (.10)	55	453649 (.63) 57732 (.76)	(.76)
UTAH	Population Land Area	1698867 (1.00) 82094 (1.00)	(1.00)	332028 (+19) 349 (xxx)	028 (.19) 349 (xxx)	506954 (.30) 582 (.01)	954 (.30) 582 (.01)	318150 (-19) 1566 (-02)	8150 (.19) 1566 (.02)	243378 (*14) 6676 (*08)	(.08)	298357 (.18) 72921 (.89)	.18
WYOMING	Population Land Area	521570 97086	97086 (1.00)	161633 (.31) 1428 (.01)	£6.3	51107 (-10) 1720 (-02)	1720 (.02)	25544 (.06) 4581 (.05)	5544 (.06) 4581 (.05)	22278 (.04) 10950 (.11)		261008 (.50) 78407 (.81)	(.81)
REGION VIII	Population Land Area	7709731 (1.00) 573497 (1.00)	573497 (1.00)	1746086 (.23)	(.23)	1061814 (.14)	(.14)	1184503 (.15) 34450 (.06)	(.15)	1143293 (.15)		2574035 (.33) 450246 (.79)	(.33)
				(XX)) Less	(xxx) Less than 1 percent	ercent						

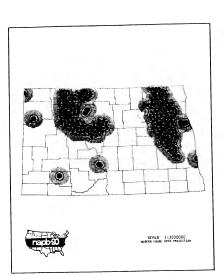
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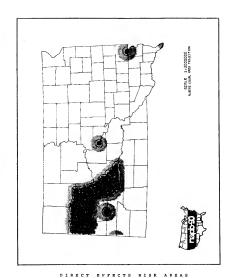
FEMA REGION VIII - COLORADO



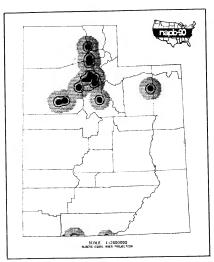
FEMA REGION VIII - MONTANA



FEMA REGION VIII - NORTH DAKOTA



FEMA REGION VIII - SOUTH DAKOTA



DIRECT EFFECTS RISK AREAS

PEMA REGION VIII - UTAH

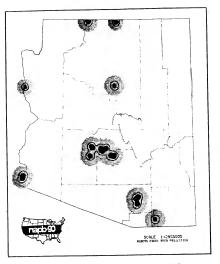


FEMA REGION VIII - WYOMING

RISKS EFFECTS & FIRE DIRECT FEMA REGION IX --

STAT	STATE/DATA	TOTALS	d.s	VERY HIGH GT 10 psi	pst	HIGH 5 to 10	HIGH 5 to 10 pai	MEDIUM 2 to 5 psi	M ps1	.5 to 2 psi	pei	NONE LT .5 psi	pai
ARIZONA	Population Land Area	3138988 (1.00) 113550 (1.00)	(1.00)	583952 (.18) 640 (.01)	952 (.18)	384090 (.12) 503 (xxx)	090 (.12) 503 (xxx)	1105668 (.35)	5668 (.35) 2158 (.02)	469613 (.15)	9613 (.15)	595665 (.19) 102536 (.90)	(.90)
CALIFORNIA	Population Land Area	26105844 (1.00) 156279 (1.00)	1.00	8712562 (.33) 3550 (.02)	2562 (.33) 3550 (.02)	4797722 (+03) 3015 (+02)	7722 (.03) 3015 (.02)	6871350 (+26) 9527 (+06)	1350 (.26) 9527 (.06)	36501 (+23)	(.12)	2638788 (.10) 103686 (.66)	(.10)
EAWALI	Population Land Area	1057270 (1.00) 6427 (1.00)	7270 (1.00)	327778 (.31)	.3	105940 (.10)	.10	186162 (•18)	.18)	250400 (.24)	.24	186990 (.17)	.13
NEVADA	Population Land Area	938191 (1.00) 109895 (1.00)	(1.00)	249851 (+27) 328 (xxx)	851 (.27) 328 (xxx)	159296 (17) 365 (xxx)	(xxx)	312581 (.33) 1402 (xxx)	2581 (.33) 1402 (xxx)	112158 (.12) 6226 (.06)	2158 (.12) 6226 (.06)	104305 (.12)	(.92)
SAMOA	Population Land Area	35000	35000 (1.00)	••	• •	••	• •	••	٠.	• •	• •	• •	• •
влан	Population Land Area	112900	112900 (1.00) 209 (1.00)	••	• •	••	• •	••	• •	• •		• •	
TRUST TERR.	IRUST TERR. Population Land Area	116149 (1.00)	149 (1.00) 533 (1.00)	• •	• •	• •	• •	••		••		••	• •
REGION IX	Population Land Area	31504342 (1.00) 386970 (1.00)	(1.00)	9874143 (+31) 4518 (+01)	4143 (.31)	5447048 (.17) 3883 (.01)	55	8475761 (.27) 13087 (.03)	(.03)	3917593 (.12) 50440 (.13)	133	3789797 (+09) 323363 (+84)	(.84)

(xxx) Less than one percent * Data will be made available seperately



FEMA REGION IX - ARIZONA



FEMA REGION IX - CALIFORNIA

				greater			
Ringed Area:	Equal	to	or	greater	than	2.0	psi
Unringed Area:	Econa 1	to i	or	greater	than	0.5	psi

[MAP WILL BE FURNISHED SEPARATELY] DIRECT EFFECTS RISK AREAS FEMA REGION IX - HAWAII Black Area: Equal to or greater than 5.0 psi Ringed Area: Equal to or greater than 2.0 psi

Unringed Area: Equal to or greater than 0.5 psi



FEMA REGION IX - NEVADA

[MAP WILL BE FURNISHED SEPARATELY] DIRECT EFFECTS RISK AREAS FEMA REGION IX - AMERICAN SAMOA Equal to or greater than 5.0 psi Black Area: Equal to or greater than 2.0 psi

Ringed Area:

[MAP WILL BE FURNISHED SEPARATELY]

DIRECT EFFECTS RISK AREAS

PEMA REGION IX - GUAM

[MAP WILL BE FURNISHED SEPARATELY] DIRECT EFFECTS RISK AREAS FEMA REGION IX - U.S. TRUST TERRITORY Equal to or greater than 5.0 psi Black Area: Ringed Area: Equal to or greater than 2.0 psi

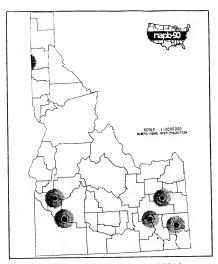
DIRECT RFFECTS & FIRE RISKS FEMA REGION X --

STATE/DATA	/DATA	101	TOTALS	VERY HIGH GT 10 psi	HICH pst	BIGH 5 to 10	HIGH 5 to 10 psi	MEDIUM 2 to 5 psi	Pat pat	15 to 2	5 to 2 pst.	NONE LT .5 ps1	981
ALASKA	Population Land Area	534271	534271 (1.00)	38557	38557 (.08)	54897 (.09)	60.	102153 (.19)	ê.	55463	55463 (.11)	283201 (.53)	.53
IDANO	Population Land Area	5	14218 (1.00) 82414 (1.00)	114528 (+11) 90 (xxx)	(11) 90 (xxx)	74583 (.07) 259 (xxx)	(xxx)	108834 (.11) 836 (.01)	834 (.11) 836 (.01)	126655 (.13) 5110 (.06)	(.13)	76119	(.58)
OREGON	Population Land Area	2683926 (1.00) 96187 (1.00)	(1.00)	351689 (+13) 317 (xxx)	(.13) (xxx)	162186 (*06) 318 (xxx)	(xxx)	369500 (.14) 1375 (.01)	1375 (.01)	527477 (.20) 6375 (.07)	(.20)	1273074 (.40) 87802 (.91)	(.91)
WASHINGTON	WASHINGTON Population Land Area	3	02272 (1.00) 66512 (1.00)	1049095 (.24) 957 (.01)	095 (.24) 957 (.01)	516498 (.12) 937 (.01)	(.12)	3618 (.05)	9564 (.18) 3618 (.05)	1239731 (.05)	39731 (.05) 15384 (.23)	787384 (•18) 45616 (•69)	(.18)
REGION X	Population Land Area		8634750 (1.00)	1553869 (+18) 1364 (xxx)	. (xxx)	8	8164 (.09) 1514 (xxx)	1390051	5829 (.01)	1390051 (.16) 1949326 (.23) 5829 (.01) 26869 (.03)	(.03)	2933340 (.34) 780370 (.96)	(.34)

[MAP WILL BE FURNISHED SEPARATELY]

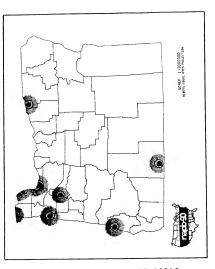
DIRECT EFFECTS RISK AREAS

FEMA REGION X - ALASKA

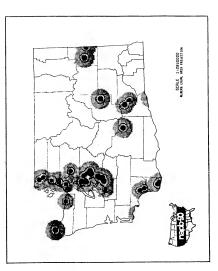


DIRECT EFFECTS RISK AREAS

FEMA REGION X - IDAHO



FEMA REGION X - OREGON



FEMA REGION X - WASHINGTON

ANNEX A - DIRECT EFFECTS & FIRE RISKS

PART 2. HIGHEST RISK LEVEL RECORDED WITHIN COUNTIES

This part shows county resident population and land area under direct effects and fire risk hased upon the highest risk level recorded within the county, regardless of the <u>actual</u> area covered by blast. This data also includes counties which are "risk free" from blast overpressures, i.e., counties which have no blast overpressure or have blast overpressure less than 0.5 psi.

PART 2. TABLE OF CONTENTS

NATIONAL Blast and Fire Risk Summary	λ-	85
REGION I Blast and Fire Risk Summary	A-	87
Connecticut	h	89
Maine	A-	91
Massachusetts	A-	93
New Hampshire	A-	95
Rhode Island	ă-	97
Vermont	à-	99
REGION II Blast and Fire Risk Summary	A-	101
New Jersey	A-	103
New York	A	105
Puerto Rico	λ-	109
Territory of the Virgin Islands	λ-	111
REGION III Blast and Fire Risk Summary	A-	113
Delaware	A-	115
District of Columbia	λ-	117
Maryland	A-	119
Pennsylvania	A-	121
Virginia	A-	125
West Virginia	A-	131
REGION IV Blast and Fire Risk Summary	A-	135
Alabama	h-	137
Florida	ă-	141
Georgia	ñ-	145
Kentucky	A-	151
Mississippi	λ-	157
North Carolina	λ-	161
South Carolina	A-	165
Tennessee	A-	167
REGION V Blast and Fire Risk Summary	A-	171
Illinois	A-	173
Indiana	A-	177
Michigan	A-	181
Minnesota	A-	185
Ohio	A-	189
		103

PART 2. TABLE OF CONTENTS (Continued)

MEDICAN VI Black and Fire Risk Summary A 197			
Arkansas	PECTON UT Blast and Fire Risk Summary	A-	197
Louisiana A-203	Arkansas	A-	199
New Mexico	Louisiana	A-	203
Oklahoma A-200 Toksai A-213 RESION VII Mass and Fire Risk Summary A-213 Lows A-225 Kansas A-225 Missouri A-233 Missouri A-243 Colorado A-243 Montana A-243 Montana A-243 Month Dakota A-243 Month Dakota A-253 Myosing A-263 Missouri A-253 Myosing A-263 Missouri A-263 Missour	New Marian	A-	207
Texas	Oklahoma	A-	209
REGION VII Mast and Fire Risk Summary	Toyer	A-	213
Towa			
Enness	REGION VII Blast and Fire Risk Summary	A-	223
Enness	Iowa	λ-	225
Missouri	Vancas	A-	229
Nebraska	Missouri	λ-	233
REDION VIII Blast and Fire Rick Summary 1.31	Nebraska	A-	239
Colorado			
Colorado	REGION VIII Blast and Fire Risk Summary	A-	243
Montana A 20	Colorado	Α-	245
North Dakota	Montana	A-	249
South Dakota	North Dakota	λ-	253
Utah	South Dakots	Α-	255
Wyoning	Trah	Α-	259
REGION IX Blast and Fire Risk Summary	Wroming	λ-	261
Arisona b. 2002 California b. 2002 Revendo b. 2002 Revendo b. 2002 Guan b. 277 Trust Territory b. 2002 REDION X Slast and Fire Rick Summary b. 2002 REDION X Slast and Slas			
Arisona b. 2002 California b. 2002 Revendo b. 2002 Revendo b. 2002 Guan b. 277 Trust Territory b. 2002 REDION X Slast and Fire Rick Summary b. 2002 REDION X Slast and Slas	REGION IX Blast and Fire Risk Summary	A-	263
California	Arizona	A-	263
Hawaii	California	Α-	267
Newada	Hawaii	λ-	271
Mestion Samoa	Nevada	A-	273
A-27	American Samoa	. A-	275
Trust Territory	Guam	A-	277
REGION X Blast and Fire Risk Summary	Trust Territory	A-	289
Alaska A- 29: Idaho A- 29: Oregon A- 29:			
Idaho A- 29:	REGION X Blast and Fire Risk Summary	Α-	29
Oregon A- 29	Alaska	. λ-	29
Oregon A- 29	Idaho	. A-	29
Washington A- 29	Oregon	. A-	29
	Washington	. λτ	29

A-85

* Less than 0.5 psi overpressure

(4 627 035

10 350 38 036

181 186

244

5 647 754

Region VII

6 384 5 128 9

1 254 413 237 848 379 225

	₽	ERY	VERY HIGH RISK	RISK		EH /Val	HIGH RISK		10nor	2 6	MEDIUM RISK	RISK	Ener		- 5	LOW/NO* RISK	A BI	X S	
PEMA REGION	PO	PUL	POPULATION		AREA	Indoa	POPULATION		AREA	2 2	POPULATION	3 8		4 &	7040	POPULATION	3	AREA	
Region I	6	9 397 810	810	22 101	101	206	206 694	4	4 540	-	025 945		3 408		816	758		31 6	633
														_	688	758		6	(889)
														đ	127	176		21 9	\$20
Region II	13	19 525 466		18 641	641	5 734 729	729	۳	3 850	6	699 866		9 112		943	560		23 2	242
														_	768	558		8	451)
														_	175	005		14 7	â
Region III	18	18 606 721	721	43 296	296	825	825 473	9	6 116	1,	1 790 474		13 521	e	838	890	l	57 6	614
														2	307	493		31.3	393)
									ľ	١	j	ı	I	J	531			26 2	224)*
Region IV	22	22 990 579	579	83 093	093	976	976 474	F	11 723	2 4	2 403 465	ı	25 471	79	072	187	2	258 8	813
														9)	109	444		105 6	673)
														6)	962	743	ï	153 1	140)
Region V	56	26 087 828	828	66 623	623	1 254 413	413	9	6 384	4	4 011 018		28 005	77	33	828			533
														9)	300	432	ĺ	63 4	473)
														8)	033	396	-	159 0	* (090
Region VI	18	18 774	323	125	298	237	237 848	5	5 128	1,6	1 653 608		38 036	7	474	583	3	380 1	121
														(2	847	548			(649)
																	•		

Estimated 1985 Population: 242, 109,419 3,551,226 square miles Land Area:

SUMMARY ISK BFECTS DIRECT NATIONAL

*Less than .5 psi overpressure

	15	VERY HIGH RISK GT 10 PSI	CT 10 PSI	ISK		HIGH RISK BQ/GT 5PSI LT	HIGH RISK GT 5PSI L	9	10PSI	_ S	/GE	MEDIUM RISK BQ/GT 2PSI LT	E SK	SPSI		Ø/0	LOW/NO*	LOW/NO* RISK .5PSI LT 2P	RISK LT 2PSI	i	
FEMA REGION	POF	POPULATION	NO	AREA	ES	POPULATION	TION	M.	AREA	8	PULA	POPULATION	2	AREA		OPU	POPULATION	2	~	AREA	
Pacifon UTIT	. 4	4 772 181 192 611	2	92 6	=	469 653	653	13	13 816		132 289	583	25	25 513		1 944	809	_	341	557	
Transport to the same															_	683			69	607	_
														ľ	٥	1 261	591		271	271 950)*	٠
Banton TY	27 6	27 408 451		191 3	318		ŀ		1	-	1 354 248	248	24	24 772		420	324		163	940	
100															_	785	485		34	838	_
													19		_	634	839	_	129	102	٠
Partion Y	1	5 245 042	1	62 730	30	67	67 460	r	1 209		701 483	483	12	10 305		2 086	\$ 494	L	170	170 374	
To the same															_	653	3 506		35	725	_
					1		1			1	1	1			٦	432	886		2	649	•
T. C.	180	180 486 155		848 062	5	10 151	696	60	59 010	12	15 022 380	380	188	493	'n	58 478	8 645		2 455	661	
PATTORNE	2	3			,										5	(22 198	3 278	_	499	814)	_
															3	5 280	367	-	926	847	٠

RISK SUMMARY (Continued)

RFECTS

DIRECT

NATIONAL

SUMMARY RISK RPFECTS DIRECT - H REGION FEMA

Estimated 1985 Population: 12,320,207 Land Area: 61,682 square miles

	VERY HIGH RISK	MSD	HIGH RISK		MEDIUM RISK	SK	LOW/NO* RISK	SK
STATE	GT 10 PSI POPULATION	II AREA	EQ/GT SPSI LT 10PSI POPULATION AREA	AREA	BQ/GT 2PSI LT 5PSI POPULATION AREA	T SPSI	EQ/GT . SPSI LT 2PSI POPULATION AREA	LT 2PSI AREA
Connecticut	2 775 954	3 062	ı		1	1	389 507	1 810
Maine	637 184	12 292	18 065	3 986	100 112	477	405 517 (230 026 (175 491	14 240 7 074) 7 166)*
Massachusetts	4 630 548	3 604	141 781	528	655 822	1 514	75 324 (69 254 (6 070	851 804) 47)*
New Hampshire	311 943	1 575	1	1	197 424	1 306	7 481 070 ((481 070	, in e
Rhode Island	918 987	1 028	46 848	56	1		111	-:
Vermont	123 194	540	1		72 587	1 511	338 704	7 221
TOTAL REGION I	9 397 810	22 101	206 694	4 540	1 025 945	3 408	1 816 758 (688 787 (1 127 971	31 633 9 688) 21 945)*

* Less than .5 psi overpressure

DIRECT CONNECTICUT 0 F

			Estimated 1985 Population: 3,165,461 Land Area: 4,872 square miles	Popula 4,872	mated 1985 Population: 3,16: Land Area: 4,872 square miles	5,461		
COUNTY	VERY HIGH RISK GT 10 PSI POPULATION A	RISK PSI AREA	HIGH RISK BQ/GT SPSI LT 10PSI POPULATION AREA	10PSI AREA	MEDIUM RISK EQ/CT 2PSI LT 5PSI POPULATION AREA	RISK ILT SPSI I AREA	LOM/NO* RISK EQ/GT .5PSI LT 2PSI POPULATION AREA	USK I LT 2PSI AREA
Fairfield	818 293 819 457	632						
Litchfield Middlesex New Haven	771 603	610	771 603 610				160 885	373
New London Tolland	246 137	412						
Windham			***************************************				95 124	515
TOTAL STATE	2 775 954 3 062	3 062		1	1	1	389 507 1 810	018 1

* Less than .5 psi overpressure

RISK RPFECTS STATE OF MAINE -- DIRECT

Estimated 1985 Population: 1,160,878 Land Area: 30,995 square miles

COUNTY FO COUNTY FO Androscoggin							1		
	VENT HIGH NISK GT 10 PSI POPULATION A	RISK PSI AREA	HIGH RISK BQ/GT 5PSI LT 10PSI POPULATION AREA	10PSI AREA	MEDIUM RISK EQ/GT 2PSI LT 5PSI POPULATION AREA	RISK I LT SPSI N AREA	LOW/NO* RISK EQ/GT .5FSI LT 2PSI POPULATION AREA	71 15 T	2PSI AREA
	88 277 225 058	6 721	88 277 6 721 225 058 876		100 112	2 477	29 408	_	*669
Hancock	•			:			43 805		537
Kennebec							112 723	m 10	876 370
Lincoln Osford Penobscot	138 771	138 771 3 430	138 771 3 430				27 958		458*
Piscataquis Sagadahoc Somerset Haldo	30 689	30 689 257	30 689 237	3 986			46 806 26 692 33 858		3 931 730 2 586*
York	154 385	154 389 1 008							

* Less than .5 psi overpressure

477

100 112

3 986

18 065

STATE TOTAL

RISK MASSACHUSETTS -- DIRECT RFFECTS STATE OF

Estimated 1985 Population: 5,503,475 Land Area: 6,497 square miles

	VERY HIGH RISK	ISK	HIGH RISK		MEDIUM RISK	LOW/NO* RISK	
COUNTY	GT 10 PSI POPULATION	AREA	BQ/GT 5PSI LT 10PSI POPULATION AREA	10PSI AREA	BQ/GT 2PSI LT 5PSI POPULATION AREA	EQ/GT .5 PSI LT 2PSI POPULATION AREA	T 2PSI AREA
Barnstable	147 925	400					
Berkshire	145 110	929					
Bristol	478 662	557					
Dukes	640 703	405			440 703 405	10 337	102
rasex.	26/ 040	6					
Franklin						64 987	702
Hampden	442 601	618					
Hampshire		:	141 781	528			
Middlesex	1 369 905	822					
Nantucket						6 070	• 4
Norfolk	602 837	400					
Plymouth	420 708	655					
Suffolk	660 972	57					
Wordester					655 822 1 514		
TOTAL STATE	4 630 548 3 604	3 604	141 781	528	655 822 1 514		158
						(69 254 8	304)
							47)*
		‡¹	*Less than .5 psi overpressure	overp	ressure		

EPFECTS RISK HAMPSHIRE -- DIRECT NEW 0 STATE

Estimated 1985 Population: 990,437 Land Area: 8,992 square miles

	VERY HIGH RISK	ISK	HIGH RISK		MEDIUM RISK	LOW/NO* RISK	ISK
	GT 10 PSI		EQ/GT SPSI LT 10PSI	10PSI	BQ/GT 2PSI LT 5PSI	BQ/GT . SPSI LT 2PSI	LT 2PSI
COUNTY	POPULATION	AREA	POPULATION	AREA	POPULATION AREA	POPULATION	AREA
Belknan						46 034	*****
Carroll							4354
Cheshire				:	***************************************	9	711*
Coos		:			***************************************	33	1 805*
Grafton					***************************************	68	1 719*
H111sborough	299 744	876					
Merrimack					103 605 936		
Strafford	66. 717		260 651 717		93 819 370		
Sullivan						. 37 877	540*
TOTAL STATE	311 943 1 575	1 575		1	197 424 1 306	481 070	6 111
							<u></u>

*Less than .5 psi overpressure

ISLAND --RHODE 9 0 STATE

		Estin	Estimated 1985 Population: 965,471 Land Area: 1,054 square miles	ation:	965,471 miles		
COUNTY	VERY HIGH RISK GT 10 PSI POPULATION A	USK II AREA	HIGH RISK BQ/GT 5PSI LT 10PSI POPULATION AREA	10PSI AREA	MEDIUM RISK BQ/GT 2PSI LT SPSI POPULATION AREA	LOW/NO* RISK EQ/GT .5PSI LT 2PSI POPULATION AREA	SK LT 2PSI AREA
Bristol			46 484	56			
Kent	158 247						
Newport	84 236						
Providence	578 010	416					
Washington	98 494	333					
TOTAL STATE	918 987 1 028	1 028	46 484	98	-	1	1
							1
							-

* Less than .5 psi overpressure

BFFECTS VERMONT -- DIRECT 0 E STATE

Estimated 1985 Population: 534,485 Land Area: 9,272 square miles

	With the same	HIGH KISK		MEDIUM RISK	×	LOW/NO* RISK	ISK
COUNTY	GT 10 PSI POPULATION AREA	BQ/GT SPSI LT 10PSI POPULATION AREA	10PSI AREA	MO/GT 2PSI LT 5PSI POPULATION AREA	AREA	EQ/GT . SPSI LT 2PSI POPULATION AREA	LT 2PSI AREA
Addison				31 248	773		
Bennington	***************************************					34 937	676*
Caledonia	i		:			26 478	651*
Chittenden	123 194 540						
Essex	***************************************				:	6 646	+999
Franklin				36 337	649		
Grand Isle	***************************************		:	5 002	88		
Lamoille	***************************************				:	17 676	461*
Orange					:	24 019	*069
Orleans	***************************************					23 993	*469
Rutland						59 226	932*
Washington					:	53 831	•069
Windham			:		:	38 786	786*
Windsor	***************************************					53 112	972*
TOTAL STATE	123 194 540	1	1	72 587 1 511	1 511	338 704	7 221
						(338 704	7 221)*

*Less than .5 psi overpressure

		Estima	Estimated 1985 Population: 28,626 Land Area: 58,436 square miles	dation: 28	28,626,118 e miles		
STATE	VRRY HIGH RISK GT 10 PSI POPULATION ARE	H RISK SI AREA	HICH RISK EQ/GT SPSI LE 10PSI POPULATION AREA		MEDIUM RISK BQ/GT 2PSI LT 5PSI POPULATION AREA	LOW/NO* RISK EQ/GT .SPSI LT 2PSI POPULATION AREA	LT 2PSI AREA
New Jersey	4 794 644	4 986	2 316 996	769	439 521 1 713	111	۱ĵĵ
New York	14 730 822	13 655	3 427 733	3 081	559 148 7 399	2 943 560 (768 558 (175 002	23 242 8 451) 14 791)*
Puerto Rico			DATA WILL I	DATA WILL BE FURNISHED SEPARATELY	SEPARATELY		
Virgin Islands			DATA WILL I	DATA WILL BE FURNISHED SEPARATELY	SEPARATELY		
TOTAL RESION II 19 525 466 18 641	19 525 466	18 641	5 734 729	3 850	998 669 9 112	943 560 23 242	23 242

*Less than .5 psi overpressure

RISK NEW JERSEY -- DIRECT SPECTS STATEOF

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Estimated 1985 Population: 7,551,161 Land Area: 7,468 square miles

	VERY HIGH RISK	RISK	BICH RISK		MEDIUM RISK	~	LOW/NO* RISK
	GT 10 PSI	PSI	RQ/GT SPSI LT 10PSI	10PSI	BQ/GT 2PSI LT 5PSI	SPSI	EQ/GT . SPSI LT 2PSI
COUNTY	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA	POPULATION AREA
Atlantic	202 977	7 568					
Retuen			843 976	237			
Burlington	382 675	808					
Camden	484 532						
Cape May	:			:	90 810	263	
Cumberland					133 582	498	
Sanex			826 857	127			
3loucester	209 076	327					
Rudgon	:		260 606	46			
Hunterdon	:				93 887	427	
Mercer	315 518						
Middlesex	623 94	943 316					
Monmouth	530 78						
Morris		366 471					
Ocean	382 46	488 641					
Passaic	457 120	187					
Salen	66 592	92 338					
Somerset	212 791	91 305					
Sussex				:	121 242	525	
Union	505 786	86 103					
No second			0K KK7	260			

STATE TOTAL

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RISK RPFCTS NEW YORK -- DIRECT 40 STATE

Estimated 1985 Population: 17,774,143 Land Area: 47,377 square miles

COUNTY	VERY HIGH RISK GT 10 PSI POPULATION A	AREA	HIGH RISK EQ/GT 5PSI LT 10PSI FOPULATION AREA	r 10PSI AREA	MEDIUM RISK BQ/GT 2PSI LT 5PSI POPULATION AREA	SPSI AREA	LOW/NO* RISK BQ/GT .5PSI LT 2PSI POPULATION AREA	LOW/NO* RISK P/GT .5PSI LT PPULATION	SK LT 2	2PSI AREA
Albany Allegany Bronx Brocme Cattaraugus	285 433 524 1 173 939 42	524	86 102 1 306	1 306	285 433 524 1 173 939 42 86 102 1 306		213	51 343	- '	1 032*
Cayuga Chautauqua Chemung Chemango Clinton	80 924 1 043	649			80 381 605 146 038 1 044 89 524 1 043	695	20 5	92 406	4.0	411*
Columbia Cortland Delaware Dutchess Erie	255 073 884 977 687 1 046	804 046			255 077 884 977 687 1 864	638	4 9	47 988		500*
Essex Franklin Fulton Genesee Greene					1807 1807	1 807	5,88,4	56 407 56 691 41 477		1 642* 497 495* 648
Hemilton Herkimer Jefferson Kings	89 066 1 273 2 259 554 70	1 273			67 691	1 417	4 45	4 806	1 721	1 721

*Less than .5 psi overpressure A-105

	AD SU SIDES SOURCE		WATER DESK		MEDITIN RISK		LOW/NO* RISK	SX
COUNTY	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA
							58 866	633
Madison							67 406	959
Monroe	713 316	993			713 316 663		53 004	404
Montgomery	1 342 306	287						
New York	1 463 052	22						
Niagara	217 492	526						
Oneida	253 963	1 219						
Onondaga	464 441	785						
Ontario			92 890	644				
Orange						:	~	826*
Orleans		:		:			2	- 60
Oswego	120 383	954						
Otsego		:		•			8/66	***
Putnam								- 67
Oneens	1 916 194	108						
Rennselaer	152 266	655						
Richmond	375 223	29						
Rockland		:		:	***************************************		C97	2
St Lawrence		:			***************************************		113 496	87/7
Saratoga	161 216	810						
Schenectady	151 139	206						409
Schoharie		:					17 721	320
Schuyler	32 754	127			25 75.4 327			
neneca	20. 20	1						

*Less than .5 psi overpressure

STATE OF NEW YORK (Continued)

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	VERY HIGH RISK	XISK	HIGH	HIGH RISK		MEDI	MEDIUM RISK	×	Š	LOW/NO RISK	RIS		
COUNTY	POPULATION	AREA	POPULATION	8	AREA	POPULATION	ION	AREA	IDAO	POPULATION	_	AREA	
steuben							-			99 365		396	
Suffolk	1 322 809 912	912					:		Ī	67 719		926	
toga							i			50 776		519*	
Compkins				:						9		,	
Marren	55 645 882	882	163	163 741 1 131	131		340	. 8					
fashington Fayne Festchester	866 945 438	438					88 815	603					
youing fates	21 495 339					2	21 495	339		40 761		\$95*	
TOTAL STATE	14 730 822 13 655 3 427 733 3 081	13 655	3 427	133	3 081	529	148	559 148 7 399	6.0	43 56	0.00	943 560 23 242 768 558 8 451)	
		•	*Less than .5 psi overpressure	.5 ps	1 overp	essure			-	6	-1	. (16/ 17	

TRRE	BRRITORY OF PUBRIO RICO DIRECT EFFECTS RISK	
	Extinated 1995 Population: 3,196,520 Land Area: 3,459 orguse miles	
COUNTY	VERW RIGH KLER. RIGH KLER WERT WERST TO STATE TO SEE TO STATE TO SEE TO	2PSI AREA
All Counties	DATA WILL BE FURNISHED SEPARATELY	
TOTAL TERRITORY		^*
	*Less than .5 ps1 overpressure	

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(g)	OF THE VIRGIN ISLANDS DIRECT SPECTS RISK Extinated 1985 Population: 104,294	Hand Area: 112 separe Alles VERM HIGH REA: LOANUV KISK GT: 10 FSI EQU'ST SPELIT 10SEL EQU'ST : 598 LT 2781 POPULATION AREA POPULATION AREA POPULATION AREA.	Data will be furicied separativ	() () () () () () () () () ()
3	TERRITORY	COUNTY	All Counties	TOTAL TERRITORY

SUMMARY RISK EFFECTS DIRECT -- 111 REGION FEMA

Estimated 1985 Population: 25,107,876 Land Area: 120,550 square miles

LOW/NO* RISK

MEDIUM RISK

HIGH RISK

VERY HIGH RISK

STATE	Popul	GT 10 PSI POPULATION A	SI	EQ/GT SPSI LT 10PSI POPULATION AREA	I LT 10PS		EQ/GT 2PSI LT 5PSI POPULATION AREA	PSI L	r SPSI AREA	EQ/GT .5PSI LT 2PSI POPULATION AREA	5	2PSI AREA
	307	425 022	ğ	1	1		1		1	105 207		942
Detawate		;								-		(000
										(105 207	Ì	942)*
of the Continue of the	П	200 013	63		1		1		:			1
DIRE. OF COLUMNIE		2	3							-		Î
												î
	2 063	063 630	E 462	246 820	203		46	46 396	871	224 889	2	802
Maryland	9	929								105 974	٦	(609)
										118 915		193)*
Proceedings of a	1	0 115 680	20 270	338 141	11 1 033	_	1 186 856	856	6 535	1 268 406		17 054
Femiliayavanaa		3								(960 670		10 882)
										(297 736	9	172)*
W. Carles de la Carles	2 402	2 402 62A	8 573	709 102	7 3 847		379 967	296	3 964	1 650 843	23	316
Virginia	,									(882 245		12 762)
										(768 598	10	554)*
State Wanted	1 100	130 001 1	7 017	38 A05	533	-	159	159 255	2 151	653 545	13	503
200			!							(412 604	9	140)
										(240 941	7	363)*
						1					1	
MOTHER DESTOR	10 606 721	127	43 296	825 473	73 6 116		1 790	474	1 790 474 13 521	3 838 890	57	614
TOTAL MEGACIN	2											
										(1 531 397	56	224)*

*Less than .5 psi overpressure

DELAWARE -- DIRECT BFFECTS RISK ís O STATE

			Bat.	Estimated 1985 Population: 530,229 Land Area: 1,933 square miles	opulation 933 squar	: 530,229 e miles				
COUNTY	VERY HIGH RISK GT 10 PSI POPULATION AREA	H KI	SK AREA	HIGH RISK BQ/GT 5PSI LT 10PSI POPULATION AREA	SK LT 10PSI AREA	MEDIUM RISK BQ/GT 2PSI LT 5PSI POPULATION AREA	T 5PSI AREA	LOM/NO* RISK EQ/GT . SPSI LT 2PSI POPULATION AREA	LOW/NO* RISK /GT .5PSI LT PULATION	2PSI AREA
nt W Castle issex	409	15 037 409 985	396			15 027 595 409 885 396		105 207	102	942*
TAL STATE	425	425 022	166	1	1	ı	1	105 207		8 1 g

		18 4		~ :	_
		LOW/NO* RISK EQ/GT .5PSI LT 2PSI POPULATION AREA		11	
		¥ 5 "	1		
~ 1		LOW/NO* RISK P/GT .5PSI LT			
RISK		LOW/NO* R. EQ/GT .5PSI POPULATION			
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ò	1	H 5		1	
80	i	2PSI AREA		1	
24		X F			
BFFECTS		Ħ 11			
		MEDIUM RISK BQ/GT 5PSI LT 2PSI POPULATION AREA	1		
D4	8	10.01	1		
U	Estimated 1985 Population: 618,906 Land Area: 63 square miles	五色片	1	1	*Less than .5 psl overpressure
M	9 1	8,2	1		ē
×	E		1		ä
Η.	E 5	# -			ž.
a	ated 1985 Population: 618, Land Area: 63 square miles	HIGH RISK EQ/GT SPSI LT 10PSI POPULATION AREA			5
1	1 1 8	- 2			-
	5.5	HIGH RISK T SPSI LT LATION			g,
4	¥	2 to 20	1 1		r.
н	8 8	용당단			9
_	2 7	田田田	1 1	1	š
â	정점	HIGH RIS EQ/GT SPSI I POPULATION	1		
ы	# 2	MA			ě
0	- 5				
O	Á	AREA	8	63	
		¥ %			
DISTRICT OF COLUMBIA DIRECT	1	VERY HIGH RISK GT 10 PSI OPULATION A			
		VERY HIGH R GT 10 PS POPULATION	· ·	· v	
H	1	H + H	618 906	618 906	
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		COUNTY	Dist. of Columbia	NOTAL DISTRICT	
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RISK MARYLAND -- DIRECT EFFECTS 40 STATE

Estimated 1985 Population: 4,381,743 Land Area: 9,838 square miles

	VERY HIGH RISK	SK	HIGH RISK		MEDIUM RISK	×	LOW/NO* RISK	ISK
	GT 10 PSI		BQ/GT 5PSI LT 10PSI	10PSI	EQ/GT 2PSI LT 5PSI	SPSI	EQ/GT . SPSI LT 2PSI	LT 2PSI
COUNTY	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA
Allegany	76 002	421						
Anne Arundel	393 425	419						
Saltimore	677 372	298						
Calvert	40 418	213						
Caroline							23 715	321
Carroll			106 853	452				
Cecil	922 99	359						
Charles	84 030	452						
Dorchester		:			717 62	593		
Frederick	126 295	663						
Sarrett							26 913	657
farford	152 156	447						
Howard			139 967	251				
Cent					16 679	278		
fontgomery	635 241	495						
Prince Georges	678 149	487						
Queen Annes				:		:	28 229	372
St Marys	64 355	373						
Somerset		:		:	***************************************	•	18 515	338
Talbot							27 117	259
fashington	111 651	455						
dicontco		:		:	***************************************	:	99	379
Wordester Saltimore City	757 768	80			757 768 80		34 039	475
POTAL STATE	3 863 638	5 462	246 820	703	46 396	871	224 889	2 802
							(105 974	1 609)
		•	Less than .5 psi overpressure	si over	pressure		(118 915	1 193)*

SWATE OF BENEVANIA -- DIRECT EFFECTS RISK

Estimated 1985 Population: 11,909,083 Land Area: 44,892 square miles

1 1 2 2 2 2 2 2 2 2		VERY HIGH RISK	1SK	HIGH RISK		MEDIUM RISK	LOW/NO* RISK	ISK
48 356 113 813 813 814 175 533 64 199 1 1 199 1 1 1 1 1 1 1 1 1 1 1 1 1	COUNTY	GT 10 PSI POPULATION		RQ/GT 5PSI LT POPULATION	AREA	5	MQ/GT .5PSI POPULATION	LT ZPSI AREA
1 33 64 64 356 1 37	dams	68 459	521					
99 328 666 99 30 406 319 305 861 119 305 861 12 50 60 789 14 50 789 15 50 60 789 16 50 869 17 50 385 18 50 869 18 50	llegheny	1 399 652	727					
131 9.10 661 4.15 6.13 6.13 6.13 6.13 6.13 6.13 6.13 6.13	rmstrong	83 324	949					
318 356 66 61 513 613 614 615 614 614 614 614 614 614 614 614 614 614	eaver	197 808	436					
1318 132	proppe						48 356	1 017
15 2 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	srks	318 305	198					
555 874 670 64 199 1 512 804 670 715 532 114 889 1 105 710 889 12 906 670 710 889 13 10 10 10 10 10 10 10 10 10 10 10 10 10	latr				:		133 813	527
1515 640 789 175 533 1	adford				:		64 199	1 152*
152 640 789 175 533 175 533 175 533 175 533 175 533 175 533 175 533 175 533 175 533 175 533 175 533 175 533 175 533 175 533 175 533 175 533 175 533 175 533 175 533 175 535 535 535 535 535 535 535 535 535 5	oke	515 874	610					
15 53 53 53 53 54 70 385 58 58 58 58 58 58 58 58 58 58 58 58 5	tler	152 040	789					
14 47 7 1 10 10 10 10 10 10 10 10 10 10 10 10 1	mbria						175 533	691
14 170 2005 13 10 100 2005 13 10 100 2005 13 10 100 2005 14 2 100 2005 15 10	meron						6 596	398*
114 855 1 106 319 008 758 42 906 687 61 779 486 51 779 884 52 56 699 788 52 57 78 884 51 78 884 51 78 884 51 78 884 51 78 884 51 78 884	rpon	54 170	385					
23 906 677 847 847 877 877 877 877 877 877 877 8	antre	114 856	1 106					
42 996 687 84 733 68 735 68 73	sester		758					
18 733 67 778 466 19 18 18 18 18 18 18 18 18 18 18 18 18 18	Larion	42 996	607					
61 778 446 89 65 8	Learfield		:		:		84 733	1 149
61 778 486 19 081 18 18 18 18 18 18 18 18 18 18 18 18 1	Linton						39 156	892
180 651 200 640 200 640 201 640 201 77 425 201 77 485	olumbia.	61 778	486					
116 988 547 23.6 500 528 550 418 184 222 574 804	rawford						190 68	1 011*
nare 550 480 184	mberland	186 988	547					
nare 550 418 184 283 674 804	nthqua	236 650	528					
282 674 804	elaware	550 418	184					
282 674	ř		:		:		37 425	830*
	rie	282 674	804					

* Less than .5 psi overpressure

COUNTY	POPULATION A	AREA	POPULATION	AREA	POPULATION	AREA	POPULATION A	AREA
Payette	159 070	794					2003	428*
forest Franklin	116 866	774					•	
Fulton	41 362	57.5	41 362 577				13 /51	3
funt inadon							42 811	7.48
Indiana	93 550	829 656					9	30.24
Juniata Lackawanna	222 969	461	461					
Lancaster	386 020	952	386 020 952		105 403	363		
Lebanon	277	348	277 610 348				111 919	363
Luzerne					334 652	891		
Lycoming	116 783	1 237			į	į		
Mercer					:	126 574 672	46 580	413
Monroe						600		
Montgomery Montour Northampton Morthampton	662 853	: :	662 853 486 232 130 376				17 066	131
Perry					38 081	557		
Philadelphia Pike Potter	1 636 321	136	1 636 321 136		0.00		21 143	1 081*
Schuykill Snyder							35 824	329*
			*Less than .5 psi overpressure	si over	pressure			

A-122

STATE OF PENNSYLVANIA (Continued)

	VERY HIGH RISK	RISK	HIC	HIGH RISK		MEDIUM RISK	H RIS	×	LOW/NO* RISK	RIS	×
COUNTY	POPULATION	AREA	POPULATION	NOI	AREA	POPULATION	#6 6	AREA	POPULATION		AREA
Somerset							10	82 007 1 073			
Sullivan			:				:		6 159	•	451
Susquehanna	***************************************	:	:		:	:	i	:	39 233	m	826
Tiogs	***************************************		:			:	:		40 093		131
Union			:			:	i	:	33 796		317
Venango Warren	64 445	679									
Washington			:			217 162	62	858			
Wayne		:	:		:	38 414	2	731			
Westmoreland				141	385 141 1 033						
Wyoning York	324 687 906	906							27 557		336
TOTAL STATE	9 115 680 20 270	20 270	8	141	1 033	338 141 1 033 1 186 856 6 535	98	6 535	1 268 406	17	054
									(960 670 10 882	9	10 882)
									(297 736	9	6 172)*
		•	Less tha	20 5. 0	*Less than .5 psi overpressure	casure					

RISK RFFECTS DIRECT VIRGINIA ---9 0 STATE

11

Estimated 1985 Population: 5,715,659 Land Area: 39,700 square miles

	VERY HIGH RISK	HIGH RISK		MEDIUM RISK	LOW/NO* RISK	38
COUNTY	GT 10 PSI POPULATION AREA	EQ/GT SPSI LT 10PSI POPULATION AREA	10PSI AREA	EQ/GT 2PSI LT 5PSI POPULATION AREA	EQ/GT . SPSI LT 2PSI POPULATION AREA	LT 2PSI AREA
Accomack				30 877 476		
al homesty.					50 605	725
Allegani					13 541	446
Zimili Barru					0 247	25.7
Amberst		29 207	478	29 207 478		•
Appomettox					12 380	336
Arlington	154 597 26					
Augusta	54 869 989					
Bath				***************************************	5 302	537*
Bedford		37 379	747			
Bland					6 584	359
Botetourt	23 987 545					
Brunswick			:		16 369	563
Buchanan			:	***************************************	37 878	504*
Suckingham					11 972	583*
Campbell	900 01	46 194	505			
Carroll				200	28 517	478
Charles City		6 751	181			
Charlotte					11 840	476*
Chesterfield	164 500 434					
Clarke	10 212 178					
Craig			:		4 029	330
Culpeper			:	***************************************	23 367	385
Cumberland			:	***************************************	7 883	300*
	•	AT you about the said assessment				

1 1 1 1 1 1 1 1 1 1	COUNTY	VERY HIGH RISK POPULATION AREA	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA
1							800 00	334
### 1	Dickenson			:			40 223	2
6 110 651 1 150 981 1 150	inviddie			:	71 091	200		****
### 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	звех			:			8 /04	503
20 100 653 11 749 381 10 59 10 10 10 10 10 10 10 10 10 10 10 10 10	airfax							
11.749 381 1 1 5 5 6 9 1 6 9 1 6 9 1 9 1 9 1 9 1 9 1 9 1 9	auguter							
95 256 258 259 319 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	lowd					381		
### 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- Constitution				:	:	10 519	290
## 1 25 544 193 194 195 195 195 195 195 195 195 195 195 195	rankl in			-			37	683
### 17.759 512 2 641 ### 17.759 512 2 641 ### 17.759 512 2 641 ### 17.759 512 2 641 ### 17.759 512 2 641 ### 17.759 512 2 641 ### 17.759 512 ### 17.759 512 ### 17.759 512 ### 17.759 512 ### 17.759 512 ### 17.759 512 ### 17.759 512 ### 17.759 512 ### 17.759 512 ### 17.759 512 ### 17.759 512 ### 17.759	radariok			:		:	35	415
25 644 1 25 645 1 25 653 1 16 2 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1	iles				17.799	362		
### 1	-							225
16 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25	Toncescor						12	281
10 10 10 10 10 10 10 10	pochland						14	446
10 062 1	rayson						٥	157*
195 226 238 25 55 55 56 56 617	reene						٠:	4000
195 256 218 54 511 1 2 155 639 468 54 711 1 2 155 64 68 64 64 711 1 2 155 64 64 64 64 711 1 2 155 64 71 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	reensville						2	1005
195 255 281 51 585 468 (65 11) 11 11 11 11 11 11 11 11 11 11 11 11	alifax			918				
15 256 230 25 25 25 27 27 27 27 27 27 27 27 27 27 27 27 27				:		468		
2 797 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	anover	105 226 230						
2 797	BULTOO	000 061					wn	382*
13 344 153 553 319 5 5 897 1 1 204 1 20 1 20 1 20 1 20 1 20 1 20 1	1							416*
25 364 153 319 5 897 25 364 153 179 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Thursday							
25 Med 153 5 6 9 9 17 17 204 17 17 204 17 17 204 17 17 204 17 204 17 204 17 204 17 205	ale of Wight			319				
1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Ames City							
1 202 1 202	ing & Ouesn					1		317
10 700 17 17 10 70	ing George					:		180
10 760 63 962 531 19 319 467 12 155 422 Taxes than 5 pd overpressures	ing William			:			o	278
63 985 521 12 155 422 17 010 17 18 155 422 17 010 17 18 18 18 422 17 010								133*
	anica con							437*
19 916 497 12 155	90	62 005 521						
12 155 12 155 12 155 12 155 155 155 155	angonu							
*Lees than .5 pd. overpressure	ouisa	19.918				433		
*Less than .5 pdl overpressure	,menburg					70.		
			*Less than .5 pe	ai overp	ressure			

ntino
VIRGINIA
90
STATE

1,000 1,00	COUNTY	POPULATION AN	AREA	HIGH RISK POPULATION	AREA	POPULATION PLSK	AREA	LOW/NO* RISK POPULATION	ISK
6 5 79 300 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Madison							10 609	322
19 12 15 4 15 15 15 15 15 15 15 15 15 15 15 15 15	Mathews							8 623	87
12 12 15 15 15 15 15 15 15 15 15 15 15 15 15	Mecklenburg							27 798	616
6 3 75 300	Middlesex				:				134
14 182 177 19 19 19 19 19 19 19 19 19 19 19 19 19	Montgomery	65 379	390						
11 1 10 11 11 10 10 10 10 10 10 10 10 10	Nelson						475		
1 1 10 1 1 1 10 1 1 1 1 1 1 1 1 1 1 1 1	New Kent							10 111	213
14 82 317 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Northhampton	:	:		:		226		
1	Northumberland Nottoway	14 182	317					9 918	185
1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	Orange								342
1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	Page				:		:		313
10 10 10 10 10 10 10 10 10 10 10 10 10 1	Patrick	:							481
2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2	Pittsylvania						:		995
16 507 266 219	Powhatan								261
2 2 5 6 6 5 7 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7	Prince Edward							16 928	354
10 10 20 20 20 20 20 20 20 20 20 20 20 20 20	Prince George	26 007	566						
2 2 5 60 51 51 51 51 51 51 51 51 51 51 51 51 51	Prince William Pulaski	169 165 34 978	339						
\$ 6 69 51 74 60 10 10 10 10 10 10 10 10 10 10 10 10 10	Rappahannock							6 117	267
25 600 52 50 50 50 50 50 50 50 50 50 50 50 50 50	Richmond								193
16 13 19 19 19 19 19 19 19 19 19 19 19 19 19	Roanoke						:		251
25 666 536 21 10 10 10 10 10 10 10 10 10 10 10 10 10	Rockbridge						:		603
35 (46) (57) (58) (58) (58) (58) (58) (58) (58) (58	Rockingham				:		:		865
25 669 536 28 631 25 716 464 4.4aas than 5 ptd overpronage	Russell								479
28 003 20 16 44 "Leas than 5 pti overpressures A-TA A-TA A-TA	Scott						536		
36 716 404 ** 10 089 36 716 404 ** 1440 9.0 089 36 716 404 ** 1440 9.0 089 3.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Shenandoah						:	28 403	512
16 404 19 099 19 19 099 19 19 19 19 19 19 19 19 19 19 19 19 1	Smyth		1				:	33 437	452
*Less than .5 psi overpressure A=127	Southampton	36 716	404					19 089	603
A-127				*Less than	5 pei c	werpressure			
				A-1:	22				

COUNTY	VERY HIGH RISK POPULATION AREA	HIGH RISK POPULATION	AREA	MEDIUM RISK POPULATION	AREA	POPULATION		AREA
Stafford		48 799	27.1					
Surry	6 288 281					10 226		492
Sussex Tazewell		51,785	520			22 363		217*
Warren								
					:	47 631	_	563*
Washington							6	227
Westmoreland					:	45 748		405*
Wise						25 624	4	464
Wythe	40 171 113	INDEPENDENT CITIES	ST CITIE	91				
Alexandria	107 977 15					6 277	_	7
Bedford						18 40		12*
Bristol						6 414		3
Buena Vista Charlottesville						40 757	۲.	10.
Chesapeake	128 906 340					4 803	2	*
Colonial Heights		17 613	00			7 492	25	;
Covington						•	9	17*
Danvilla						4	822	5
Pairfax			ľ	. 20 4/1	0			
Falls Church		9 547	7			7 175	15	*
Franklin Fredericksburg							99	ω
200						9	202	80
Hampton	126 828 51					26 543	43	9
Hopewell	24 495 10					6 774	74	2.
		*Less than .5 psi overpressure	psi over	rpressure				
		ď	A-128					

STATE OF VINGINIA (Continued)

OpenStrate OF 450 60 25 64.3 9 OpenStrate 159 55 65 22	COUNTY	VERY HIGH RISK POPULATION A	JSK AREA	HIGH RISK POPULATION	K ARBA	MEDIUM RISK POPULATION	ILSK AREA	LOW/NO* RISK POPULATION	AREA
No. of the control	Lynchburg	67 430	49						
## 200 15 15 15 15 15 15 15	Manassas		:					25 643	80
Harmon 159 665 65 18 18 18 18 18 18 18 18 18 18 18 18 18	Manassas Park		:				:	6 524	5
### 10 21 850 53 4 4466 ### 10 21 21 21 21 21 21 21 21 21 21 21 21 21	Martinsville	159 965	ş					18 264	<u>:</u>
The control of the co									
March 10 173 173 174 175 175 175 175 175 175 175 175 175 175	HOLLOTK	008 787	2						i
10 074 23 10 072 24 11 14 15 7 12 19 010 60 100 779 43 24 93 10 170 24 193 10 170 24 193 11 161 5 21 871 12 184 28 1 164 18 1 164 1	Norton		:		:		:	4 446	*
13 415 7 249 175 186 187 24 27 28 28 28 28 28 28 28 28 28 28 28 28 28	Petersburg	40 714	53						
198 802 30 198 802 60 199 616 60 190 759 64 573 201 807 3 847 379 967 3 964 1 650 842 23 19 802 624 8 573 201 807 3 847 379 967 3 964 1 650 842 23 (768 994)	Poquoson	10 073	11						
219 010 60 100 799 64 22 24 203 24 20	Portsmouth	108 802	30						
219 010 60 100 799 41 24 29 29 1 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Radford	13 415	7						
100 759 43 24 259 11 15 154 259 12 1871 13 682 624 8 573 201 307 3 847 7 779 967 3 964 1 650 642 23 24 259	Richmond	219 010	9						
nn 7 1839 nch 732 244 256 49 7 1847 199 967 3 964 1 1650 642 23 1 19 194 8 1 11 161 5 20 561 3 402 634 8 573 201 967 3 847 379 967 3 964 1 1650 642 23 (768 959 102 7 1848 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Roanoke		:		:	100 799			
7 353 and 190 364 255 9 9 1 462 654 8 573 201 307 3 3647 779 967 3 964 1 650 642 23 641 25 1 60 2 654 8 573 201 307 3 3047 7 379 967 3 964 1 650 642 23 64 1 650 643 24 64 1 650 643 24 64 1 650 640 64 640 640 640 640 640 640 640 640	Salem		:				:	24 293	7
ach 320 264 256 46 773 201 597 3 547 7 379 567 3 564 1 650 643 20 651 873 201 597 3 547 7 379 567 3 564 1 650 643 20 651 873 201 597 3 547 7 379 567 3 564 1 650 643 20 651 873 201 597 3 547 279 567 3 564 1 650 643 20 651	South Boston								en en
nch 120 264 256 266 27 286 27 286 28 28 28 28 28 28 28 28 28 28 28 28 28	Staunton							21 871	80
ach 150 264 286 1514 8 fi 161 5 5 1514 8 1514 8 161 151 151 151 151 151 151 151 151 151	Suffolk					49 070	409		
15 154 8 153 201 507 3 847 379 967 3 964 1 650 643 23 (7.88 984) 2 (7.88 984) 2 (7.88 984) 2	Virginia Beach	320 264	256						
3 482 624 8 573 201 507 3 847 379 567 3 564 1 650 643 25 (Waynesboro	15 194	00						
3 642 624 8 573 201 597 3 847 779 967 3 964 1 650 643 23 (Williamsburg					11 161	S		
3 492 624 8 573 201 907 3 847 379 967 3 964 1 650 843 23 (7 882 281 10 8 588 10 8 8 988 10 8 988 988 10 8 988 988 10 8 988 988 988 988 988 988 988 988 988	Winchester							20 561	6
(882 245 12 (768 599 10	TOTAL STATE	3 482 624	8 573	201 907	3 847	379 967		1 650 843	23 316
598 10								(882 245	12 762)
								(768 598	10 554)*

*Less than .5 psi overpressure A-129

STATE OF WEST VIRGINIA -- DIRECT RFFECTS RISK

100

Estimated 1985 Population: 1,952,256 Land Area: 24,124 square miles

		ś	-					100
COUNTY	GT 10 PSI POPULATION	AREA	EQ/GT SPSI LT 10PSI POPULATION AREA	10PSI AREA	EQ/GT 2PSI LT 5PSI POPULATION AREA		EQ/GT . SPSI LT 2PSI POPULATION AREA	LT 2PSI AREA
Parbour					16 575 343			
Berkeley	50 737	322						
Boone		:		:	***************************************	:	30 926	203
Braxton		:		:		:	14 867	513
Brooke	29 855	8						
Cabell	105 480	282						
Calhoun		:		:	i	:	8 754	280
Clay		:		:	11 636 346			
Dodridge		:		:		:	7 728	321
Fayette						:	56 777	667
Gilmer						:	8 570	340*
Grant	10 700	480						
Greenbrier	36 418	1 025						
Hampshire		:		:	***************************************	:	16 044	644
Hancock	39 360	82						
Bardy						:	10 750	585
Barrison	77 827	417						
Jackson		:			***************************************	:	26 271	464
Jefferson	32 646	509						
Kanawha	225 530	106						
Lewis						:	18 828	389
Lincoln	23 898	439						-
Logan		:		•		:	501 109	426
McDowell.	46 772	535						

* Less than .5 psi overpressure

COUNTY	VERY HIGH RISK POPULATION A	TSK	HIGH RISK POPULATION	AREA	MEDIUM RISK POPULATION	SK AREA	LOW/NO* RISK POPULATION	AREA
Marshall	40 688	305						
dason	26 520	433						
dercer	74 229	420						
"ineral	27 657	359					30 738	*24
Mingo		:						
;								363
Monongalia								473
Monroe							11 225	230
torgen								650
Sicholas			60 308 106		80 308	106		
ouro								
Pendleton	:						. 7 970	. 869
Pleasants	7 959	131					9 687	942*
Pocahontas	:							651
Preston	40 735	346	40 735 346					
								809
Raleigh	:							1 040*
Randolph	:	:					11 700	454
Ritchie		:	787 019 11		15 630	484		
Roane		:					15 424	353
Summers								
Taylor			16 499	174	0	424		
Tucker		:			•			
Tyler	:				:		24 904	355
Upshur		:						
Wayne	46 385	208						

*Less than .5 psi overpressure

A-133

COUNTY	VERY HIGH RISK POPULATION AREA	AREA	HIGH RISK POPULATION AREA	AREA	MEDIUM RISK POPULATION)	ARBA	LOW/NO* RISK POPULATION AREA	ISK
Webster							11 609	556*
Wetzel		:	22 106	359				
Wirt	300 00	030	000 00				5 281	235*
Wood	C98 76	308	90° CSB 76		. 35 334	502		
								1
TOTAL STATE	1 100 851 7 937	7 937	38 605	533	159 255	159 255 2 151	653 545 13 503	13 503
							(412 604	6 140)
							240 941	7 363

STATE OF WEST VIRGINIA (Continued)

* Less than .5 psi overpressure

FEMA REGION IV -- DIRECT RFFECTS RISK SUMMARY

Estimated 1985 Population: 42,442,705 Land Area: 379,046 square miles

STATE PAlabama	GT 10 PSI							
100	the same	PSI	BD/GT 5PSI LT 10PSI	r 10PSI	BQ/GT 2PSI LT 5PSI	T SPSI	BQ/GT .5PSI LT 2PSI	LT 2PSI
Alabama Florida	OFFICE	AREA	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA
Florida	2 097 642	11 466	47 012	622	293 160	4 514	1 521 331	34 137
Florida							(838 407	16 789)
Florida							(682 924	17 348)*
	8 793 081	22 226		-	302 800	3 132	2 787 465	38 039
							(1 449 745	21 841)
							(1 337 720	16 198)*
Georgia	3 233 308	9 311	371 511	4 297	395 251	4 824	1 929 163	39 685
							(859 567	16 431)
					The second second		(1 069 596	23 254)*
Kentucky	1 555 778	7 020	106 002	936	312 507	2 083	1 755 859	29 550
							(601 871	11 122)
							(1.153 988	18 428)*
Mississippi	1 034 591	8 037	39 226	1 093	149 393	3 214	1 393 923	34 830
							(278 077	7 863)
							(1 115 846	26 967)*
North Carolina	2 342 278	10 017	-	-	809 177	4 625	3 082 319	34 201
							(1 133 455	10 002)
							(1 948 864	24 001)*
South Carolina	1 384 092	8 113	199 592	2 058	32 178	1 145	1 727 560	18 891
							(1 079 509	10 118)
							(648 051	8 773)*
Tennessee	2 459 809	6 849	213 131	2 717	108 999	1 934	1 874 577	29 430
							(888 913	11 507)
							(985 664	17 923)*
TOTAL REGION IV 2	22 990 579	83 039	976 474	11 723	2 403 465	25 471	16 072 187	258 813
							(6 109 444	105 673)
		•	*Less than .5 ost overpressure	at overpr	essare.		(9 962 743	153 140)

RISK RFFECTS STATE OF ALABAMA -- DIRECT

Estimated 1985 Population: 3,959,145 Land Area: 50,739 square miles

	POPULATION AREA	POPULATION	POPULATION AREA	POPULATION AREA	AREA	POPULATION	EQ/GT .SPSI LT 2PSI POPULATION AREA	LT 2PS
Autauga Saldwin	88 981 1 550			88 981	1 590	33	33 760	597
Barbour	***************************************					25	494	884*
Bibb	***************************************		:			16	836	625
Blount						37	155	643
Bullock						9	10 624	625*
Butler	:		:		:	22	22 263	179
Calhoun	127 200 611					40	40 557	909
Cherokee						6	240	553*
Chilton						31	31 425	*69
Choctav						16	966	*606
Clark			:	. 28 781	1 203			
clay	***************************************		:		:	13	13 582	605
Cleburne						12	925	26
Coffee	40 578 680							
Colbert	***************************************				:	53	53 878	\$689
Conecuh			:		:	15	464	854
Coosa	***************************************					Ξ	336	9
Covington	***************************************				:	37	040	1 038
Crenshaw						13		£119
Cullman	AE 244 E64					9	229	738
Dallas	į					55	55 090	975
De Kalb						8	000	770

POPULATION AND TO THE TOTAL AND THE TOTAL AN	Page		ADAU MARIN MARIN	HIGH BISK		MEDIUM RISK	ISK	LOW/NO* RISK	RIS	
19 65 × 10 697 × 10 6	1 67 1 10 10 10 10 10 10 10 10 10 10 10 10 1	COUNTY	ž	POPULATION		POPULATION	AREA	POPULATIO	2	AREA
10 10 10 10 10 10 10 10 10 10 10 10 10 1	13 12 13 10 10 11 12 13 15 15 15 15 15 15 15 15 15 15 15 15 15	Elmore		47 012	622			5		
15 17 17 17 17 18 18 19 17 18 18 18 18 18 18 18 18 18 18 18 18 18	1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	Secambia						9 69		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	19 178 189 199 199 199 199 199 199 199 199 19	stowah						20.00		
13 78 78 78 78 78 78 78 78 78 78 78 78 78	13 78 78 78 78 78 78 78 78 78 78 78 78 78	Fayette						28 74		
13.783 19.782 19.782 19.783	23.783 on 79.72 257 man 51 602 1495 man 51 100 179 190 190 190 190 190 190 190 190 190 19	Franklin								
non 79 72 377 1538 non 51 402 1469 for the first state of the first	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2							23 78	23	578
73 180 180 180 180 180 180 180 180 180 180	79 77 577 5186 20	e de la constante						11 24	2	631
79 77 877 15 356 TEACH COMMISSION 1199 TEAC	15 256 17 77 77 77 15 256 21 20 2 1969 21 250 969 21 250 969 21 250 966 21 250 966 21 250 966 21 250 966 21 250 966 22 951 23 951 24 952 25 951 26 952 27 952 27 953 28 953	reene						15 06	10	661*
51 420 1739 67 1888 1739 67 1888 1739 68 1739 69 1738 69 1738 69 1738 69 1738 69 1738 69 1738 69 1738 69 1738 69 1738 69 1738 69 1738 69 1738 69 1738 69 1738	73 12 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28	ere					:	15 33	9	557
51 day 1 199 671 888 1 179 671 888 1 179 71 250 888 71 250	67 800 1 179 81 400 81 41 41 41 41 41 41 41 41 41 41 41 41 41	senry	79 172 577							
67 868 179 18 18 18 18 18 18 18 18 18 18 18 18 18	67 868 179 1642 18 420 18 642	ackson								
11 57 58 58 58 58 58 58 58 58 58 58 58 58 58	13 13 50 605 10 13	Tefferson	671 808 1119					16.4	6	605
213.50 806 73 92 93 93 93 93 93 93 93 93 93 93 93 93 93	11 (71) 12 (24) 13 (24) 14 (25) 15 (25) 15 (25) 16 (25) 17 (25) 18 (25) 19	amar						0 0	2	661*
79 209 609 47 629 559 11 50 606 12 51 11 11 11 11 11 11 11 11 11 11 11 11	213 250 864 2 29 57 57 51 59 57 51 59 51 52 59 52 52 52 52 52 52 52 52 52 52 52 52 52	auderdale							: 5	603
79 209 609 77 213 20 806 72 21 203 21	7 2 2 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	awrence						,		9
7 0 15 0 15 0 15 0 15 0 15 0 15 0 15 0 1	7 0 059 520 11 083 21 250 686 23 98 1 28 Tase than 5 pail owngressmere 22 468	Lee					609			
213.250 886 23 935 213.250 886 24 957 23 55 12 9 2 9 88	13.20 deg 25.20	thestone			:	4/ 639	600			;
21 350 806 24 35 35 35 35 35 35 35 35 35 35 35 35 35	213.260 866 25 901 213.260 866 24 957 213.260 25 25 25 25 25 25 25 25 25 25 25 25 25	and a			:	:	:	2	2	
233.250 806 24.957 24.957 25.358.159 1.239 2.24 865	213.250 806 24 97 24 97 25 25 25 25 25 25 26 97 25 26 25 25 26 25 25 25 25 25 26 25 25 25 25 25 25 25 25 25 25 25 25 25	Jacon			:			62	5	910
28 158 1 238 2 488	23 159 1 238 Tast than 5 pt 1 owngressmer Tast than 5 pt 1 owngressmer	Hadison								
318 159 1 239 22 468	328 159 1 238 22 468								57	*88
228 156 1 239 22 469 22 469	238 159 1 239 69 50.2 238 159 1 239 59 21 69859789888878	Arrengo							2	743*
328 158 1 238 22 468	228 158 1 238 22 468	Marion							02	567*
808 77	*Less than .5 psi overpressure	Marshall	328 158 1 238							
	"Less than .5 par overpressure	Monroe							0	-

STATE OF ALABAMA (Continued)

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COUNTY	POPULATION A	AREA	POPULATION	AREA	POPULATION	AREA	LOW/NO* RISK POPULATION	AREA
Montgomery	206 993	793						
Perry							15 045	119*
Pickens		:	***************************************			:	21 915	890
Pike			***************************************			:	28 106	672
Randolph Russell			48 550 634		48 550	634	20 236	585
St Clair	75.418	000	75. 419 ann				44 539	646
Sunter							17 202	*406
Talladega	77 228	753					95	•
rallapossa		:		:	:		101 65	
Tuscaloosa	68 882	803	68 882 803				139 201	1 336
Washington	17 443	1 081						
Wilcox							15 322	983*
Winston							21 545	614
TOTAL STATE	2 097 642 11 466	11 466	47 012	622	293 160	4 51.4	1 521 331	34 137
							(838 407	16 789)

*Less than .5 psi overpressure

RISK RFFECTS FLORIDA -- DIRECT ě 0 STATE

Estimated 1985 Population: 11,883,346 Land Area: 63,397 square miles

COUNTY	VERY HIGH RISK GT 10 PSI POPULATION A	SK I AREA	HIGH RISK EQ/GT 5PSI LT POPULATION	r 10PSI AREA	MEDIUM RISK BQ/GT 2PSI LT 5PSI POPULATION AREA	LOM/NO* RISK EQ/GT . SPSI LT 2PSI POPULATION AREA	ISK LT 2PSI AREA
Alachua Baker Bay Bradford Brevard	343 585	995	141 180 343 985		343 995 995	789 260 17 591 23 983	902* 585*
Broward Calhoun Charlotte	1 112 075 79 404 78 546	1 211 690 629			690 690 629 629	9 556	* 995
Clay Collier Columbia	90				74C CA BB	116 981 39 947	1 994*
Dade De Soto Dixie	1 726 021 1 995	1 995			1 726 021 1 995	21 295 9 476	636
Duval Escambia Flagler Franklin Gadeen	623 035 260 730	776			623 035 776 260 730 661	16 816 8 343 43 693	491 545 518
Gilchrist Glades Gulf Hamilton Bardee		*	'Ires than .5 psi overpressure	si overp	"fates then. 5 pal overgressure	7 267 6 765 11 349 9 342 20 818	354* 763* 559 517* 637*

Comparison	COUNTY	VERY HIGH RISK POPULATION AN	K AREA POE	HIGH RISK POPULATION	AREA	POPULATION RISK	ISK	TOW/NO.	LOW/NO* RISK ULATION A	AREA
The company	nden.									1 163*
A	- Annual								106	477*
15 204 1	Hohlands								524	1 029*
Market Company of the	fillsborough	743 771 1 (53							
10 10 10 10 10 10 10 10	folmes								934	488*
1 1 1 1 1 1 1 1 1 1	dian River									497
Total State	ckson		:							942*
### 17 19 19 19 19 19 19 19 19 19 19 19 19 19	fferson									609
169 21 675 24 739 534 749 549 549 549 549 549 549 549 549 549 5	fayette									545
11	ke						954			
169 21 100 1 4 279 1 1 5 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									738	803
24 623 1 100 6 4 579 6 1 100 6		168 231	576							
15 25 25 25 25 25 25 25 25 25 25 25 25 25	4	623	100							
19 477 947 19 19 19 19 19 19 19 19 19 19 19 19 19	berty			:	:		:		576	837*
113 779 115 115 779 11	dison								443	210
10 196 195 195 195 195 195 195 195 195 195 195	natee		726					-	1	
10 50 50 50 50 50 50 50 50 50 50 50 50 50	rion		:	1					799	1 610
7 1 000 1 034 28 569 649 1 19 00 906 25 812 771 340 771 00 1930 270 771 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rtin		555							
25	nroe	71 003 1	034				;			
11 991 906 25 812 771 Ann 771 100 1990 25 812 771 Ann 771 100 1990 25 812 970 771 Ann 771 100 1990 25 812 970 771 Ann 771 100 1990 25 819 919 Take that 5 pic lowspressures 77 91 91 91 91 91 91 91 91 91 91 91 91 91	ssau						649			
247 250 910 771 74 576 1 74 77 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	aloosa		936							
14 270 1 14 270 1 14 270 1 14 270 1 14 270 1 1 14 270 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	aechobee		:	:	:		177			
and 72(1000 1993) 74.575 1 and 100 300 200 1500 1500 1500 1500 1500 1500 150	ande		910							
1	ceola		:	:	:		:		576	1 320
Las 669 560 240 272 395 In A	lm Beach		993							
na 60 500 200 152 742 742 742 743 743 743 743 743 743 743 743 743 743	1800								936	738
n	nellas	808 500	280							
10 55 059 Trans than 5 pai overpressure 57 067 A-142	Ą		:	:	:		1		740	823
Tage than .5 psi overpressure A-142	tnam		:	:	:		1		860	733
Annual was proving a resident of the second	Johns			then .	or over 1 a	reguire				617
A-142										
				¥	142					

Court day of	Concruted
	TON THE
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- Continues	SIG BOLD MEAN	asta	HIGH RISK		MEDIUM RISK		LOW/NO* RISK	NO.	100	
COURT	POPULATION	AREA	POPULATION	ARBA	POPULATION AREA		POPULATION	NOI I	AREA	<
St Lucie	117 109									
Santa Bona	65 097	1 024								
Sarasota	246 395									
Seminole	232 587	298					ģ	29 162	3	195
Sunter		:					4	2	1	
							25	25 644	9	*069
Suwannee						:	18	18 167	1 0	058*
Taylor	:						=	562	5	9
Uniton		:								
Volusia	310 689	1 13								
Wakulla	12 889	601								
Walton	25 509	1 066					ţ	16 144	in	*065
Washington										. 1
	190 101 0	22 226			302 800 3 132		2 787 465	465	38 039	20
DIAL SINIE							(1 449	745	21 841) 16 198)*	3 6

*Less than .5 psi overpressure

GRORGIA -- DIRECT EFFECTS RISK 9 0 STATE

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5,929,233	miles
opulations	5B, 117 square
Estimated 1985 P.	Land Area:
Es	

LOW/NO* RISK BQ/GT .5PSI LT 2PSI

MEDIUM RISK BQ/GT 2PSI LT 5PSI

HIGH RISK B2/GT 5PSI LT 10PSI

VERY HIGH RISK GT 10 PSI

COUNTY	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA
Appling	16 441	510						;
Atkinson							6 572	286*
Bacon								347*
Baldwin								258*
Banke								234*
Barrow							24 768	163
Bartow	44 059	456					17 067	254*
Ber Hill Berrien								456
44,54	158 476	253						
91 001 011						:		219
Beant or								444
Brooks							15 299	491
Bryan								441
Bulloch							37 271	678
Burke			20 728	833	20 728 833		15 169	187
Calhoun								284*
Camden	17 682	649						
Candler							7 833	248
Carroll	63 098	502				***		
Catoosa		:		i	38 /46	163		200
Charlton		:		:	***************************************			9
Chatham	214 908	444						

Comparison	ahoochee ooga kee								
1,000 1,00	acoo a							6,	250
10 10 10 10 10 10 10 10	age e e							5	314*
10 10 10 10 10 10 10 10 10 10 10 10 10 1	e kee							33	424
15 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		76 890 122							
10 10 10 10 10 10 10 10								78	197*
165 506 143 6 163 6 163 6 163 7 163 200 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									
200 200 200 200 200 200 200 200 200 200			_						;
268 593 343 258 644 25			.,	:		:		63	821
7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			_						
7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				:				9	602
A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							36	84	556
ord						290			
The control of the co	010							90	232
7 (99) 7 (99) 80 (50) (20) (20) (30) 9 (10) (20) (20) (30) 11 (10) (20) (20) (20) (20) (20) (20) (20) (2						999		;	
7 6 6 6 7 7 7 1 1 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1					43 000	ļ		6	330
20 50 50 50 50 50 50 50 50 50 50 50 50 50									*****
200 500 270 11 1999 200 500 270 16 402 200 500 270 16 402 200 500 200 16 402 200 500 200 16 402 200 500 200 200 200 500 200 200 200 500 200 200 200 500 200 200 200 500 200 200 200 500 200 200 200 500 200 200 200 500 200 200 200 500 200 200 200 500 200 200 200 500 200 200 200 500 200 200 200 500 200 200 200 500 200 200 200 500 20							N.	0	2/2
29 250 270 26 533 26 533 27 10 560 20 20 20 20 20 20 20 20 20 20 20 20 20							Ξ	68	176
29 20 20 20 20 20 20 20 20 20 20 20 20 20								73	210*
For the part of th								4	586*
50 550 270 16 547 10 500 330 13 56 56 21 mm									
10 50 50 50 50 50 50 50 50 50 50 50 50 50		06 550 271						573	S0.4*
Try 103 69 330 10 616 1									5
1								9.16	397
64 64 11 203 11 150 516 2 235 Bana	rtv								
10 150 516 2 235									
has 2 235 235 235 235 235 235 235 235 235 2				516					
1 (9) (9) (9) (9) (9) (9) (9) (9) (9) (9)							5	32	450
9 642 2 1 366 15 266 384 15 266 384 8 594 1 4 1 2 266 384								100	482
2.3 Me									;
21 366 15 266 384 8 5 psi vecepressure 8 594								74.	100
8 504 15 286 384 14 Assa than ,5 psi overpressure				:		:		366	999
								504	186*
200 51		35 356 38							
	uruu			31 Overpr	essure				

STATE OF GROWGIA (Continued)

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COUNTY	POPULATION AREA	POPULATION	AREA	POPULATION	AREA	NOT WITHOUT	MARK
Favorte				42 806	199		
Flowd					:	78 516	519
Porgath					:	34 431	226
Franklin						15 569	264
Pulton	621 030 534						
Stimer						11 822	427
31ASCOCK	***************************************					2 331	144
alynn	60 350 412						
Sordon						32 616	666
Grady	***************************************					21 318	459
Greene						11 978	390
Swinnett		. 246 112	435				000
Rabersham			:			27 014	278
(All	***************************************		:		:	83 207	379
Rancock						9 302	469
Haralson						. 19 589	283
Harris		. 16 380	464				000
Hart	***************************************		:			19 220	-067
Reard		6 750	292				
Benry						2	30
Souston	85 180 380						
Irvin			:			8 813	205
Jackson		. 27 158	342		į		
Jasper			:	7 744	37		*3**
Jeff Davis			:				1000
Jefferson	***************************************					20	573
Tenkins						œ	353
Johnson			:			. 8 602	307
Jones	18 579 394						-
Lemar			•				186
Lantor			:		:	5 644	194

Comparison Com	COUNTY	VERY HIGH RISK POPULATION A	AREA	HIGH RISK POPULATION	AREA	MEDIUM RISK POPULATION	AREA	POPULATION	ž.	AREA
1	aurens									16*
15 505 403 402 20 20 20 20 20 20 20 20 20 20 20 20 20 2	se iberty dacoln	41 837	517			14 081	358	9		*96
72 742 507 10 10 10 10 10 10 10 10 10 10 10 10 10	buo					5 675	402			
1 5 50	owndes	72 742	202					\$		
19 500 205 425 14 100 1 10 10 10 10 10 10 10 10 10 10 10	umpkin							4 6		20
19 509 205 20 10 10 10 10 10 10 10 10 10 10 10 10 10	ointoen			8 025	425			1		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100	4	ş							
1 1 1 1 1 1 1 1 1 1	adison	80° 6L	687					ď		*99
777 100 210 14.0 40 17.0 10.0 11.0 11.0 11.0 11.0 11.0 11.	arton		:					9 6		3
14 490 397 11 641 572 1 684 572 1 684 572 1 684 572 1 685 572 1 68	leriwether		:		:			9		5
14 940 397 6 934 7 1 2 2 9 1 2 2 9 1 2 2 9 1 2 2 9 1 2 2 9 1	Gller Machell					21 841	512	٥		
14 abo	TOUGHT									
10 200 11 177 000 218 177 000 218 18 18 18 18 18 18 18 18 18 18 18 18 18 1	onroe			14 949	397					3
177 1000 2310 28 20 27 27 17 15 10 10 10 10 10 10 10 10 10 10 10 10 10	ontgomery		•							:
177 000 218 18 957 277 277 278 28 959 27 277 279 279 279 279 279 279 279 279	lorgan		•					2 ;		2 4
1	hurray	177 080	218					•		
1 1 1 1 1 1 1 1 1 1	levton						277			
10 10 10 10 10 10 10 10	cone		:		:	14 648	981	٠		9
19 19 19 19 19 19 19 19 19 19 19 19 19 1	Jglethorpe	29 957	312					•		ž
13 30 19 31 19 16 31 19 16 31 1, 100 10 10 10 10 10 10 10 10 10 10 10 10	Peach									5
12 700 72 700 72 700 72 700 72 700 72 700 72 700 72 700 72 700 72 700 72 700 72 700 72 700 72 700 72 700 72 70 70 70 70 70 70 70 70 70 70 70 70 70	tckens							13 30		332*
ht 1 165 312 8 631 ht 1 166 312 8 959 ht 1 1668 thm 5 pal overpressure A=148	ferce				:		:	12 /3		į
16 999 16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Pike	33 165	212							2
	OTV.							8		49
A-148	THE BALL			Less than .5 p	si overp	ressure				
				-γ	148					

			STATE OF GEORGIA (CONCLINES	
			GEORGIA	
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COUNTY	RICK HIGH RICK MEDIUM RICK AREA AREA POPULATION AREA	LOW/NO* RISK POPULATION A	RISK
-		11 700	344*
me or and		2 156	
Cont those		10 840	370*
Sabun		9 381	481
Randolph	i		
Richmond	189 036 325		
pockdala	44 501 132	3 354	
Tab Jose		14 396	
Company		8 775	225
Southole		51 453	
Dani ding			
Sharmen a		22	
Granhana		5 862	•
Ot oreart		30	•
D. Contract		6 496	
omine.		1 986	1961
Talbor			
	17 783 484	0 000	182*
Tattnall			
Taylor		-	
Telfair		Ξ	
Terrell		38 187	7
Thomas		33	722 268
Tift	200		10.00
Toomba	23 629	۱۵	
Towns		100	
Treutlen		53	248 415*
Troub			*000
		5	643 26
Turner	9 744 362		3204
Twiggs		2 :	
Union		26	26
Upgon	55 155 446		
well bor			

	AREA
	MEDIUM RISK ULATION
	MEDIUM
	AREA
	H RISI ION
	HIGH RISK POPULATION A
	RISK AREA
(pen	VERY HIGH I
(Cont.)	VERY
STATE OF GEORGIA (Continue	
E 0F	UNITY
STAT	8

LOW/NO* RISK POPULATION AREA

Watton			i		32 390	330			3		
Warren								6 439	430	2 %	286
Washington			:					6	307	8	83
Wayne	***************************************	:	i			:		22 1	128	9	5
Webster		:	:					2 077	770	2	ę
Wheeler		:	:	:				5 056	920	58	588
White	***************************************	:	:	:				11 205	505	75	Ş
Witfield		:	:	:				68	4	58	-6
Wilcox	***************************************	-	:					7	229	8	82
Wilkes		:	:					11 356	95	47	2
Wilkinson	***************************************	:	:	:				10 778	178	45	458
Worth		\$	18 259	575							
TOTAL STATE	3 233 308 9 311	371	511	371 511 4 297	395 251	4 824	-	1 929 163		39 685	12
							_	859 567		16 431)	3
							(1 069	690	296	91 ARA PC	34

*Less than .5 psi overpressure

RISK KENTUCKY -- DIRECT RFFECTS 0 % STATE

Bstimated 1985 Population: 3,730,146 Land Area: 39,639 square miles

Adair Allen Anderson Ballard		POPULATION	AREA	POPULATION	AREA	POPULA	POPULATION	AREA
Allen Anderson Ballard						5	15 857	407*
Allen Anderson Sallard						14	370	338*
Ballard					:	13	13 522	204
Marren	8 186 254	8 186	254			34	34 692	482*
1						9	263	278
Bell			:		:		34 201	361*
Boone			:	. 51 553	246			
Bourbon	:		:		:	19	19 147	292
Boyd	54 575 161							
Pow l e			:		:		25 106	182*
Gracken					:		7 555	203*
1000000							453	495
Branking doe			:				266	265
Bullitt				45 100	300			
Pu+1er		11 958	431					
Cal deal 1					:	13	13 265	347*
0.1100.11						30	30 551	386*
Campbell		968 08	152					
Carlisle						2	2 5 5 5	16.
Carroll	9 850 130						90 90	4
Carter							202	448
Casey	64 260 733					0	523	,
Clark					:	29	29 442	255*
	•	Tess than .5 psi overpressure	l overpr	essure				

					with the same			AREA
clay							-	47.14
Clinton					:	9 984		196
Crittenden					:	968 8	9	360*
Cumberland						7 334	4	304
Daviess						88 834	4	463*
Edmonson						11 567	-	302
Elliott	***************************************		-		:	6 923	e,	234*
Estill Payette	211 628 284					15 107	-	256
Plening	i					12 524	2	351
1 oyd	51 295 393							
Franklin	44 192 212							
Fulton	***************************************		:		:	8 234	4	51. 51.
Sallatin		4 962	66					
Sarrard			:	11 397	232			
Grant						14 477	_	259*
Graves						37 712	c	557
Graveon						22 631	-	463*
Green	***************************************				:		0	289*
Greenup						38 515	so.	347
lancock						8 24	242	189
Bardin	90 545 629							
Harlan	***************************************				:	42 139	6	468*
farrison	***************************************				:	15 678	8.	310
Bart						17 009	6	412*
Jenderson						42 474	4	438
Henry					:	13 467		291
Hickman	***************************************					5 618	80	245*
Hopkins	***************************************					46 424	*	552*
Jackson	*Less than .5 psi overpr	*Less than .5 psi overpressure	i overpre	12 586 sssure	346			

STATE OF KENTUCKY (Continued)

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Jefferson	692 179 386		
Jessanine		28 497	175
Johnson		25 895	264
Kenton	136 391 163		
Knott		18 395	352
chox		30 205	358*
Carue	***************************************		263*
Laurel		2 251	434
Lawrence		15 007	420
-00		7 781	211
Lealie		5 407	402*
Letcher		30 977	339*
Levis	14 458 484		
Lincoln	***************************************	19 180	332
Livingston	***************************************	131	312
Logan		5 045	556
Lyon		6 425	\$00
Actracken	61 367 251		
McCreary		16 306	427
KcLean	***************************************	9 948	256
Hadison.	55 644 443		
Magoffin		4 251	310
farion	***************************************	669 4	347*
Marshall	***************************************	25 976	304
Martin		1 063	231
Kason		17 091	241
Meade	22 789 307		
Menifee		5 353	203*
Mercer	***************************************	19 405	250*
detcalfe	***************************************	359	201*

10 10 10 10 10 10 10 10	COUNTY	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA	Notional Park	100	AKER
1 1 2 2 2 2 2 2 2 2	fonroe							12	618	331*
### 1 10 12 12 13 13 13 13 13 13	ntagmery				:			20	410	199
11 15 15 15 15 15 15 15	coan				:			12		382*
1	Wuhlenberg	31 696	478							
1	Nelson .							83	923	424
2 1973 996 9 2 3 9 1 9 9 1 9 9 1 9 9 9 9 9 9 9 9 9 9 9	pholos							7	330	197*
## 19 19 19 19 19 19 19 19 19 19 19 19 19	lo lo	21 875	296							
1 1 1 1 1 1 1 1 1 1	Oldhan.	:			:			3	519	190
1 1 1 1 1 1 1 1 1 1	us				:			σ	217	354
10 10 10 10 10 10 10 10	ıley							in.		198*
1	dieton							9	167	281*
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	è							35	419	341*
1 69 73 660 1 1 69 1 1 69 1 1 69 1 1 69 1 1 69 1 1 69 1 1 69 1 1 69 1 1 69 1 1 69 1 1 69 1 1 69 1 1 69 1 1 69 1 1 69 1 1 69 1 69 1 69 1 1 69 1		83 875	785							
### 60 159 640 #### 60 150 640 ##### 60 150 150 640 ###################################	110		:		-		:		907	180
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	laski	49 129	99							
11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	oertaon									100
1 1 1 1 1 1 1 1 1 1	kcastle				:	. 14 664	318			
6 537 146 7 1987 8 1987 8 1987 8 1988	u s u		:		:		:		043	282
11971 266 26 26 26 26 26 26 26 26 26 26 26 26	sell				:		1		5	250
6 5 5 1 46 9 10 10 10 10 10 10 10 10 10 10 10 10 10	ott						386			
9 86 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	alby								243	385
6 23 148 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ango.				:					236*
6 227 460 9 366 9 366 9 366 9 366 9 366 9 366 9 366 9 366 9 366 9 366 9 366 9 366 9 367 9	none				:		:			192*
(10 e6) (10 e7)	lor									270*
6 5 21 64 9 386 6 2 21 64 17 887 60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ad									377
6 21 148 17 148 17 148 17 148 17 148 17 148 17 148 17 148 17 17 17 17 17 17 17 1	199									421
7,007 1,	Imble	6 321	148							
10.291 "Lass than .5 pei overgressure 10.291 "Ass than .5 pei overgressure	ion				1		:		807	341*
10 291 Tames than 5 pai overpressure	ren				:		1			247
A-154	shington			Less than .5	psi overg	ressure				301
A-154										
					-154					

	(Continued)
	OF KENTUCKY
	ě
11.0	STATE

COUNTY	VERY HIGH RISK POPULATION A	RISK	HIGH RISK POPULATION AREA	AREA	MEDIUM RISK POPULATION	RISK AREA	LOW/NO* RISK POPULATION A	RISK
Navne							17 759	
Webster		:			:		14 730	336*
Whitley							35 619	
Wolfe						:	7 152	
Woodford					18 845	192		
TOTAL STATE	1 555 778 7 070	7 070	106 002	936	312 507	2 083	1 755 859	
							(1 153 988	18 428)*

*Less than .5 psi overpressure

RISK SFEECTS HISSISSIPPI -- DIRECT 0 P STATE

Estimated 1985 Population: 2,617,133

	VERY HIGH RISK	HIGH RISK	×	MEDICA RISK	SX	3	LAW/NO KISK	181
	GT 10 PSI	BQ/GT 5PSI LT 10PSI	7 10PSI	BO/GT 2PSI LT 5PSI	T SPSI	EQ/GT	.5PSI	EQ/GT .5PSI LT 2PSI
COUNTY	POPULATION AREA		AREA	POPULATION	AREA	POPULATION	FION	AREA
dame						39	119	456*
John						32	183	401*
Amite							288	732*
Attala					:	18	901	737*
Senton						8	126	407*
Rolivar						45	246	89Z*
Calboun						2	196	573*
Carroll						6	173	634*
Chickagav					:	4	923	503
Choctav						œ	542	420*
Clathorne						12	12 621	494*
Clarke					:	9	823	692
Clav		22 053	415					
Coaboma					:	35	35 424	\$655
Coptah					:	52	744	179*
Covington						ŧ.	15 888	416*
De Soto	i			58 091	483			
Forrest	70 812 409					80	8 373	566*
George				16 044	483			
Greene				9 382	718		1	
Grenada	***************************************		:		1		21 543	471
Jancock	29 671 47	478						
farrison	171 484 581	=						
linds	261 467 875	50						

A-157

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			WATER BYON		MEDITIM RESE	RTSE	LOW/NO* RISK	RISK	
COUNTY	POPULATION A	AREA	POPULATION	AREA	POPULATION	AREA	POPULATION		AREA
		Ì					23 784		159
Holmes									430
Humphreys			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						406
Issaquena									541.
Itawamba Jackson	124 917	731	124 917 731						
Tanana I			. 17 173	829.					
Toda o							9 793		523*
Jefferson Davis							14 104		*607
Jones	64 507	695							390
Kenper							10 3/		9
							12 522		*609
LaFayette	26 768	667	24 760 A99						
Lamar	20 00	100							
Laudercale	000 00	2	000				13 144		435*
Lawrence							18 683		584*
Leake		:					2		
							19	285	451*
Lee									\$02¢
LeFlore	•	:					ř		586*
Lincoln		1					5		3
Lowndes	61 314	517							
Madison	:				42 / 75				
							27 571	_	548
Marion							32	405	402
MATERIAL	36 630	57.7							
MOITOG							12	660	408*
Montgonery							24	674	571
Neshoba									
							20	288	580
Newton							12	537	*869
Noxubee							38	129	459
Oxtibbeha							20	785	*695
Panola	:	:					2	167	819
Pearl River			*Less than .5 psi overpressure	psi over	pressure		3		
				A-158					

STATE OF MISSISSIPPI (Continued)

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		WORLD RICH	
COUNTI	PUPULATION AREA PUPULATION AREA POPULATION AREA	POPULATION	AREA
Perry			e51*
Pike	***************************************	36	410*
Pontotoc	***************************************		4667
Prentiss	***************************************	24	417*
garawan	***************************************		406*
Rankin	80 192 782		
Scott			*019
Sharkey	***************************************	8 076	•
Simpson	***************************************		
Smith			635
Stone		10 110	446*
Sunflower		•	707*
Tallahatchie	***************************************	16	651*
Tate	***************************************	21	406
Tippah	***************************************	18 985	458
Tishomingo		17 338	434
Punica	***************************************	9 299	460
noruc	***************************************	51	417*
MILLALI	***************************************	12	404*
Warren	***************************************	51 872	*265
Washington	20 152 813		733*
pater		10	424*
Wilkingon	***************************************	•	678*
Winston	***************************************	18 567	610*
falobusha		13 397	470*
Yazoo	26 826 933	2	•
TOTAL STATE	1 034 591 8 037 39 226 1 093 149 393 3 214	1 393 923	34 830
	*Lens than .5 psi overpressure	(278 077	7 863
		(1 115 846	\$1720 30

RISK BFFECTS CAROLINA -- DIRECT RORTH 0 F STATE

9

Estimated 1985 Population: 6,233,774 Land Area: 48,843 Square miles

	THE PERSON NAMED IN						
COUNTY	GT 10 PSI POPULATION AREA	RQ/GT SPSI LT 10PSI POPULATION AREA	AREA	BQ/GT 2PSI LT SPSI POPULATION AREA	EQ/GT . 5PSI LT 2PSI POPULATION AREA	No.	AREA AREA
Alamance	102 865 433						
Alayandar			:			Ę	259
all achany						-	234*
Trans.					. 26 266	99	533*
Ashe						63	426*
					15 040	40	247*
NVBLY NVBLY					43 217	4	826*
Beautor					2,1 491	16	101
of aden				30 794 879			
Brunswick	45 643 861						
1						11	•659
auticompe make					. 75 193	93	505*
Date in the					. 93 522	322	364
and and						45	471
Camden					10	998	241*
Carteret	48 181 525						
Casvell				. 22 441 427			
Catawba	112 583 396					9	
Chatham			•	:	32 680	980	901
Cherokee				. 20 231 452			
Chowan					12	968	181
rl av						293	214
Cleveland						292	468
Columbus					. 51 937	337	626
Craven						321	702
		*Less than .5 psi overpressure	at overp	ressure			

13 13 13 13 13 13 13 13	13 13 13 13 13 13 13 13	COUNTY	POPULATION	RISK AREA	HIGH KISK POPULATION	AREA	MEDIUM RISK POPULATION	AREA	POPULATION	ULATION ALSE	AREA
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Cumberland	252 353	657						3	1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	urrituck		:					2 0	2 5	202
250 623 451 750 750 750 750 750 750 750 750 750 750	250 622 432 100 100 100 100 100 100 100 100 100 10	are					118 693	548	-	2	5
250 622 447 750 614 377 9 378 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	256 621 421 13 19 19 19 19 19 19 19 19 19 19 19 19 19	avie								914	267
10 10 10 10 10 10 10 10	250 627 677 12 309 730 731 73 64 357	nelin							4	920	819
250 622 402 319 319 319 319 319 319 319 319 319 319	250 622 447 9 99 99 99 99 99 99 99 99 99 99 99 99	urham				:		:	160	337	298
250 623 412 710 614 317 1 215 215 215 215 215 215 215 215 215 2	200 623 412 12 12 12 12 12 12 12 12 12 12 12 12 1	daecombe							28	290	506
## 17	170 644 137 12 12 12 12 12 12 12 12 12 12 12 12 12	orsyth	258 622	412						:	
10 646 317 9 9 35 10 10 10 10 10 10 10 10 10 10 10 10 10	170 644 317 9 9 357 170 644 317 7 1944 1957 170 644 1957 170 645 170 170 170 170 170 170 170 170 170 170	ranklin								303	434
## 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							357			
100	100 100	apron								357	338*
27 25 26 27 28 28 28 28 28 28 28 28 28 28 28 28 28	### 1	ares								104	289
## 12 12 12 12 12 12 12 12 12 12 12 12 12	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	raham									20.0
17 12 651 18 651	17 250 574 5 10 5 10 5 10 5 10 5 10 5 10 5 10 5 1	ranville		:							5
## 1	6 2 3 4 5 5 2 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5	reene		:						808	997
2 2 66 601 50 50 50 50 50 50 50 50 50 50 50 50 50	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	uilford						651			
### ### ### ### ### ### ### ### ### ##	11 F 20 T	alifax	:	:		:		:	26	258	724
11	ran ran (6 2) 21 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	arnett				:		601			
ord (1) (2) (2) (3) (4) (5) (5) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	ord (2012) 11	laywood		-			:	:	47	835	222
11 F7 20 574 22 566 591 24 076 21 06 091 24 076 21 06 091 24 075 21 06 091 24 075 21 091 24 075 21 091 24 075 21 091 24 0	11 2 2 5 6 3 1 2 4 0 6 1 2 1 2 6 6 1 3 1 2 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3	lenderson							99	201	375
11	11	lertford								920	356*
11	11	loke	:			:	. 22 566	391		;	-
\$7.269 574 72.88 76.425	67 269 574 27 388 27 28 28 28 28 28 28 28 28 28 28 28 28 28	lyde	:	:		:				675	674
76 426 90 90 90 90 90 90 90 90 90 90 90 90 90	45 686 299 **Leas than 5 and overpressure 61 275	redell	87 260	574						9	400
76,426 9 806 45 806 239 7464 Overpressure 15 806 7468 than 5 gat overpressure	76 426 9 806 10 809 10	fackson								212	6
45 666 299 than .5 pst overpressure 61 276	45 686 29 Tacks than 5 and overpressure	Cohneton							76	426	795
45 096 298 61 276 47 0 5 pal overpressure	40 039 10 45 066 298 1 _{4ess} than 1.5 pal overpressure	ono				:			6	908	470
n 45 086 299 Less than .5 pst overpressure	45 686 299 "Leas than 5 pal overpressure									039	259
e	u	- tono								376	402
		incoln	45 086	298							
	:			•	Less than .5	psi overp	ressure				

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11 11 11 11 11 11 11 11 11 11 11 11 11		in the same of the	AREA	POPULATION	ARKA	POPULATION	AREA	POPULATION		AREA
non	cbowel1							36 454		437
noin in the season of the seas	lacon						:	23 466	9	517*
in i	Adison							17 250		451*
tenburg post;	lartin	:					-	27 437	2	461
powery po	lecklenburg	439 986	528							
introducery	(1tchell							14 258		222
s s s s s s s s s s s s s s s s s s s	Iontdomery						:	23 665	2	490
Manageron Anageron Good Good Anageron Good Anageron Anagero	oore	55 254	701							
	ash						:	70 931	_	540
	ew Ranover	112 147	185							
	orthampton							22 485	ın	538
ank an same and a same	malow	120 039	763							
ank in the sake in	range				:		:	81 875	10	4004
rank mans ph nd no no phem ford ford	amlico						:	10 925	s	341*
mans ph nnd nn nn nn rord	asquotank		:		:		:	29 502	2	228
mans ph nnd nn nn ighean ford	ander							24 268	00	875
ph nn nn ngham gham nn nn nn	annimana							9 913		246
ph in and igher ford in	erson	30 316	398							
ph nd nn ighean ford nn	itt				:		:		4	656*
on of other ord	olk							14 758	80	238
nd ighen ford n	andolph							97 642	2	789
ford	t chaond	45 644	477							
ford	copeaco	106 472	949							
ford	ock ingham		:		:		:		-	569
2	newor							102 667	6	519
	utherford							56 501	-	\$68
	uosdwe							50 707	4	947
	cotland		:		:		319			
25 219	stanly	:			:		:	50 203		396
200	Stokes	35 319	452							

(Continued)	
CAROLINA	
NORTH	
OF	
TATE	

	White section with	200	UTCH DYCK	×	MEDITIM RISK	XS.	LOW/NO* RISK	RISK	
COUNTY	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA	POPULATION		AREA
							00 500		5.30
Gurra			***************************************	:		:	200 000		600
							10 816	_	526*
DWGLID							25 249	_	378*
reansylvania							4 130		407
Daion							77 802		633
Vance						:	38 320		249*
Wake	346 147	854					16 23		427*
Warren							14 473		333
Washington		:							;
Watauga							74 20		2
Wayne	98 361	554	98 361 554				60 948		752*
WILKES							64 997		374
Wilson								m	336
Yancey								_	314
	710 01 070 040 0	100			R09 177	4 625	3 082 319		34 201
TOTAL STATE	45.0						(1 133 455		10 002)
							(1 948 864		24 001)*

*Less than .5 psi overpressure

RISK RFFECTS DIRECT CAROLINA --RIDOS 0 1 STATE

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Estimated 1985 Population: 3,343,422 Land Area: 30,207 square miles

COUNTY	VERY HIGH RISK GT 10 PSI POPULATION AREA	HIGH RISK BQ/GT SPSI LT 10PSI POPULATION AREA	10PSI ARRA	HEDIUM KISK BQ/GT 2PSI LT 5PSI POPULATION AREA	LOM/NO* RISK EQ/GT .5PSI LT 2PSI POPULATION AREA	SPSI :	AREA
Abbeville Aiken Allendale Anderson Bamberg	113 409 1 092	10 904	£	113 469 1 1 022 10 904 413	22 919 139 797 18 097	919	508* 718 395*
Barnwell Beaufort Berkeley Calhoun Charleston	81 853 579 117 319 1 108 291 814 938	20 308	380				
Cherokee Chester Chesterfield Clarendon Colleton					30 38 28 33	186 992 454 112 866	396 580* 802* 602
Darlington Dillon Dorchester Edgefield Fairfield				77 699 690	54 32 73 20	316 846 805	563* 406* 575 685
Florence Georgetown Greenville Greenwood Hampton	47 533 822	Ires than .5 ps! overpressure	1 overp	(7 53 82 82 82 82 82 82 82 82 82 82 82 82 82	303 60 18	936 866 352 899	795 451*

COUNTY	VERY HIGH RISK POPULATION AREA	HIGH RISK POPULATION	AREA	MEDIUM RISK POPULATION	SK AREA	LOW/NO* RISK POPULATION	¥124	AREA
dorry Jasper	126 279 1 143			14 369	655	42 124		723
Kershav						55 843		552*
Lancaster						53 481		712*
93						18 510		11
Lexington		156 949	, i			7 183		350
Accornick						34 924		493*
Marion							_	483
Newberry	•					32 044		634*
Oconee	51 780 629					86 706		1112
Orangeburg Pickens	:	499						
Richland	282 019 /62							- 1
Saluda Spartanburg						17 017	_	92
Sunter	94 839 665					30 826	10	515
Union								934
#1111amsburg								
York						116 464		685
TOTAL STATE	1 384 092 8 113	1	2 058	32 178	1 145	1 727 560		18 891)
		Less than .> psi overpressure	sı overp	ressure		649 051		8 773)

RISK EFFECTS TENNESSEE -- DIRECT 0 F STATE

Estimated 1985 Population: 4,746,516 Land Area: 40,930 square miles

EQ/GT . SPSI LT 2PSI POPULATION AREA

MEDIUM RISK BQ/GT 2PSI LT 5PSI POPULATION AREA

> EQ/GT SPSI LT 10PSI POPULATION AREA

VERY HIGH RISK GT 10 PSI POPULATION AREA

COUNTY

HIGH RISK

LOW/NO* RISK

Anderson			
Bedford	28 701 475		
Benton		15 088	392
Bledsoe		9 278	407
Blount		81 926	558
Bradley	70 601 327		
:ampbell		35 490	419*
Cannon		10 725	266
Carroll			
Carter		51 658	341*
Cheatham		23 557	303
Chester		12 837	289
Claiborne		26 644	435
Clay		8 061	227
Cocke		29 318	432
Coffee	40 569 429		
Crockett		13 895	266
Cumber Land	487 241 501	31 190	682
Decatur	i	10 958	330*
DeKalb		13 881	291*
Dickson	***************************************	31 624	491
Dver		33 920	520
Payette	***************************************	24 623	705*

Paractic	COUNTY	VERY HIGH I POPULATION	RISK AREA	HIGH RISK POPULATION	K AREA	MEDIUM RISK POPULATION	LSK ARBA	LOM/NO* RISK POPULATION	OR RIS	AREA
25	nklin	33 382	543							
282 986 529 5 034 679 110 685 239 686 239 696 23 23 23 23 24 24 24 24 24 24 24 24 24 24 24 24 24	noso	48 338	700					24 7	68	610*
282 989 529 609 14 085 75	es							17.1	22	273*
20 000 000 000 000 000 000 000 000 000	вере			56 054	619					
282 989 539 509 989 989 989 989 989 989 989 989 989 9								14 0	98	361*
202 989 539 613 131 131 131 131 131 131 131 131 131	indy						:	29 0	860	156*
7 101 200 20 20 20 20 20 20 20 20 20 20 20 20	milton	282 988	539						;	400
2 3 14 25 25 25 25 25 25 25 25 25 25 25 25 25	naoak		:							4029
2 3 14 2 5 17 466 2 5 18 2 6 18 2 7 6 11 200 2 1 6 18 2 18 6 18 2	rdeman							2	4	5
15 17 485 19 184 19 184 19 19 19 19 19 19 19 19 19 19 19 19 19	rdin		:					22	314	578*
20 023 7 017 200	wkins		:	. 45 137	486				547	534*
31 80 006 19 19 19 19 19 19 19 19 19 19 19 19 19	hood								25.6	520
7 011 200 15 272 2 12 272	nderson								123	260
7 7111 200 15 27 27 27 27 27 27 27 27 27 27 27 27 27	Auu								3	8
a	ckman			:				ŧ.	927	610*
131 840 506 8 11 8 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	dston	7 011	200					ţ	202	627
Feet of the control o	aphreys							9 0	146	308*
The control of the co	ckson	:	1							2664
1992	fferson							3	4	1
131 840 506 8130 131 840 858 134 858 134 858 134 858 134 858 134 858 134 858 134 858 134 858 134 858 135 858	hnson							7	302	297*
A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	×o	331 840	206					œ	3.10	168*
1 6 23 10 10 10 10 10 10 10 10 10 10 10 10 10	ıke								256	475
40 710 429 215 22 23 337 14488 than 5 pis 0 expressentes	uderdale								625	617*
6 259 6 250 6 250	MYENGE									
40 710 429 10 799 233 10 799 233 10 799 233 23 23 23 23 24 24 24 24 24 24 24 24 24 24 24 24 24	***							10		282
40 719 429 235 23 337 Tags than 5 paid overpressure	10.15							36		571
43 710 429 22 3377 *Leas than .5 psi overpresente	1100111					. 30 719	235			
*1,ess than .5 psi overpressure	Minn			43 710	429				1	-
!	Nairy	:		Less than .5	psi over	pressure			33/	790
					1					

STATE OF TENNESSEE (Continued)

Market M			
111 and the second seco		15 667	307*
11. In many many many many many many many man		76 858	558
11. m makry con control of the contr	2 512		
nn nn na saon saon saon saon saon saon s		20 095	376*
meny tr n n control of tr n co		51 863	616*
mary transfer of the conference of the conferenc	7 189		
mary ason forced teed	:	30 048	648
t tord			
ford to the control of the control o			
t ten ten ten ten ten ten ten ten ten te	0 523		
t ford		32 980	550
ord and and and and and and and and and an	:::::::::::::::::::::::::::::::::::::::	18 095	433*
oon oord shise		6 427	412*
oon oord shie		4 510	159*
ord his	:	13 605	437
oon bile in		50 464	399*
oon his n		24 819	309
oord ord			
in his		38 717	476
hie in		97 308	605
n hite		20 635	528
5		8 618	366
5		47 229	*065
5		14 564	313
5			
35 021		92 025	529
Trousdale		5 488	114*

COUNTY	VERY HIGH RISK POPULATION A	RISK AREA	HIGH RISK POPULATION	AREA	MEDIUM RISK POPULATION AREA	LOW/NO* RISK POPULATION	AREA
Unicoi Union Van Buren Warren	92 699	326			72 693 236	16 911 12 358 4 782 33 436	186* 218* 273* 431*
Wayne Weakley White Williamson Wilson						. 14 115 . 33 395 . 19 814 . 68 284	734* 581 373* 571
TOTAL STATE	2 549 809	6 849	213 131 2 717	2 T.T.	108 999 1 934	1 874 577 (888 913 (985 664	29 430 11 507) 17 923)*

*Less than .5 psi overpressure

SUMMARY RISK RFECTS DIRECT - - A REGION FEMA

Estimated 1985 Population: 45,687,087 Land Area: 323,545 square miles

CT 10 Fig. SQC FSSE II IN SQC		TOTAL MARKET	LOW/NOW RISK	ž
FOFILIATION ARRA FOFILIATION ARRA FOFILIATION ARRA FOFILIATION FOFILia	lopsi	LT 5 PSI	EQ/GT . SPSI LT	LT 2PSI
8 517 216 13 666 66 763 662 1 642 108 7 796 5 590 565 16 262 11 751 214 648 640 640 646 12 365 850 666 4 999	AREA	AREA	POPULATION	AREA
5 970 565 16 766 5 970 565 16 767 5 970 565 16 762 5 970 565 15 752 13 752 13 14 648 400 6496 4466 12 365 850 066 4 999 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	682	5 417	2 673 372	35 801
1 642 108 7 796 5 500 565 16 362 214 648 420 219 535 11 751 214 648 420 646 12 365 850 066 4 999 646 12 365 850 066 4 999 646 12 365 84 765 120 916 273			(1 496 597	15 088)
5 550 565 16 262 5 2 079 515 11 753 214 648 400 6 456 446 12 365 859 666 4 999 7 1 561 859 4 763 120 916 273	The second secon		(1 176 775	20 713)*
5 590 565 16 262 2.079 515 11 751 214 648 410 6 496 446 12 365 850 066 4 999 6 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		5 842	2 897 931	22 325
5 590 565 16 562			(1 092 641	9 311)
5 500 565 16 562		100	(1 805 290	13 014)*
6 496 446 12 365 650 066 4 999		7 930	2 143 739	32 827
nota 2 079 535 11 751 214 648 440 640 640 640 640 640 640 13 365 859 066 4 999 640 11 365 859 066 7 999 640 120 916 773			(1 424 142	13 629)
motes 2 079 535 11 751 214 648 430 6 6 649 440 12 355 850 066 4 999 6 6 773 120 916 773			(719 597	19 198)*
6 496 446 12 345 859 066 4 999 onein 1 561 859 4 763 120 916 273	430	2 332	1 813 747	65 034
6 456 446 12 365 850 666 4 999				6 105)
6 496 446 12 365 850 066 4 999			(1 654 989	58 929)
1 561 858 4 763 120 916 273	4 999	6 027	1 804 873	17 615
1 561 858 4 763 120 916 273				12 099)
1 561 856 4 763 120 916 273			(497 768	5 516)
	273	457	3 000 166	48 931
			(821 189	7 241)
			(2 178 977	41 690)*
TOTAL REGION V 26 087 828 66 623 1 254 413 6 384 4 011 018	6 384	28 005	14 333 828	222 533
			16 300 432	63 473)

*Less than .5 psi overpressure

159 060)*

(8 033 396

RISK RPFECTS ILLINOIS -- DIRECT 9 E STATE

Estimated 1985 Population: 11,557,256 Land Area: 55,586 square miles

COUNTY	VERY HIGH RISK GT 10 PSI POPULATION AREA	HIGH RISK BQ/GT 5PSI LT 10PSI POPULATION AREA	10PSI AREA	MEDIUM RISK EQ/GT 2PSI LT 5PSI POPULATION AREA	5PSI AREA	LOW/NO* RISK BQ/GT .5PSI LT 2PSI POPULATION AREA	RISK SI LT	2PSI AREA
Adans Alexander Bond Boone Brown	70 543 882			70 543	852	11 799 16 041 28 123 5 480	0 T E O	236* 377* 282* 306
Bureau Calboun Carroll Cass Champaign	17 942 444 5 833 720 17 942 444 170 697 998			5 833	250	37 832	2 5	374*
Christian Clark Clay Clinton Coles						36 273 16 728 15 596 33 632 52 388		710 505 469* 472* 509*
Cook Crawford Cumberland DeKalb	5 274 484 958 20 950 446					10 918 73 019 17 938	918 019 938	346* 634* 397*
Douglas Du Page Edgar Edwards Efingham	711 668 337 ***********************************	Tags than .5 pst overpressure	overpr	essure		12 3 8 E	563 269 235 633	417* 623 223 478*

Particular and Partic	COUNTY	POPULATION AL	AREA	POPULATION	AREA	POPULATION	ARRA	POPULATION	2	AREA
1 1 1 1 1 1 1 1 1 1	yette							22 33		109
1 1 1 1 1 1 1 1 1 1	r.q						486			
1 1 1 1 1 1 1 1 1 1	anklin		:		:		:	43		414
11 50	lton		:		:			9	2	871
1 1 1 1 1 1 1 1 1 1	llatin							7	7	325
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	uee								6	543
1 1 1 1 1 1 1 1 1 1	undy	31 503	423							
2 6 75 6 75 75 7 7 7 7 7 7 7 7 7 7 7 7 7	milton		:		:		:		7.	436
1 1 1 1 1 1 1 1 1 1	ngock	23 650	795					,		
1 1 1 1 1 1 1 1 1 1	rdin								4	181
1 1 1 1 1 1 1 1 1 1	nderson	9 159	373			:	į			
The state of the s	, and	:				53 526	824	33	u	118
1 1 2 2 2 2 2 2 2 2	odinore							:		
1 1 1 1 1 1 1 1 1 1	ckson		:		:			0	2	280
10 10 10 10 10 10 10 10	aper							Ξ	2	496
1	ferson							38	2	570
10 10 10 10 10 10 10 10	rsey		:				:	20	9	373
1 1 1 1 1 1 1 1 1 1	Daviess		:		:		603			
1 1 1 1 1 1 1 1 1 1	hnson		:		:		:	2	6	346
15 ct 165 ct 173	90		:						2	524
16 42 73 27 54 175 17 54 17	nkakee							66	2	678
465 841 454 108 452 1139 16 424 374 17 40 665 16 765 590 18 78 640 660 19 77 640 660 19 78 640 660 19 78 640 640 19 78 640 10 78 640 10 78 640 10 78 640 10	ndal1		1		:		322			
16 424 374 33 30 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	×o.								4	720
19 124 27 33 105 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Salle	108 455	1 139							
35 265 590 Tales overpressure 10 475	vrence	18 424	374							
16 265 590 *** Spain overpressure							:	33 82	92	725*
36 265 590 Takes than 5 psi overpressure	vingston				:		:	40 66	92	046
36.265 590	dan		:				:		2	619
	Donough	36 265		Less than .5	psî overg	ressure				

STATE OF ILLINOIS (Continued)

		nama	POPULATION	AMEN	NOT THE REAL PROPERTY.	uggu	and and and		
4cHenry							158	909	607
McLean		:		:			152	292	1 185
Macon		:				:	127	873	581
Macoupin		:	***************************************	1		:	49	374	865*
Madison	247 422	728							
davion							44	925	573*
Marshall						:	13	13 787	388
Magon				:		:	17	943	536
fassac	14 850	241					:	22.5	
Menard	:		***************************************				=	7	0
farcer							6	385	559
Monroe		:			. 21 041	280			
Montgomery		:		:		:	32	960	705
Morgan		:	***************************************	:		:	37		568
Coultrie				-			7	298	325*
ogla					. 45 687	759			
Peoria	191 238	620							
Perry		:		:				22 442	200
Piatt		:		:		:		400	438
Pike							9	603	830
adod									374
Pulaski		:	***************************************	:		:			203
Pu-nam							9	199	160*
andolph	35 699	583							
Richland							18	653	360
Rock Island	164 903	423							
St Clair	267 819	672							
Saline Sangamon	179 013	908	179 013 806					28 808	382
Schmolar					0000	436			

STATE OF ILLINOIS (Continued)

COUNTY	VERY HIGH RISK POPULATION A	RISK AREA	HIGH RISK POPULATION	K AREA	MEDIUM RISK POPULATION	SK AREA	LOW/NO* RISK POPULATION	N RIS	AREA
Scott							5 978	90	251*
Shelby			***************************************				23 698	98	747*
Stark		:				:	6 878	92	288*
Stephenson	49 795								
Tazevell	128 870	650							
Union							18 287	9.1	414
Vermilion						:	92 625	52	•006
Wabash	14 342	224							
Warren			***************************************	:		:	21 01	14	543*
Washington							15 168	88	563
Wayne							18 799	6	715*
White Whiteside			63 783 682	682	18 279	497			
W111	334 477	844							
Williamson						:	59 035	32	427*
Winnebago						:	249 453	23	515
Woodford							33 211	=	527
TOTAL STATE	8 517 316 13 686	13 686	68 783	682	297 785 5 417	5 417	2 673 372		35 801
							(1 496 59		15 088)
							(1 176 77	775	20 713)*

*Less than .5 psi overpressure

RISK RPERCTS -- DIRECT INDIANA 0 E STATE

Estimated 1985 Population: 5,499,636 Land Area: 35,963 equare miles

	TOTAL BUILD DIGIT	HIGH RISK		MEDITAM RISK	100	LOW/NO* RISK	
COUNTY	GT 10 PSI POPULATION AREA	EQ/GT SPSI LT POPULATION	10PSI AREA	EQ/GT 2PSI LT SPSI POPULATION AREA	EQ/GT . SPS. POPULATION	EQ/GT . SPSI LT 2PSI POPULATION AREA	r 2PSI AREA
Adems	1					59 889	340
Allen	287 909 659					210	4004
Bartholomew						2 2	402
Benton Blackford						15 552	166*
Boone				39 948 424		12 489	312*
Garroll						19 420	372
Cass	00 700 376			39 602 414			
4							
Clay			:	24 189 360			
Clinton			:		,	31 984	402
Crawford	i					9 847	307
Daviess	29 889 432						
Dearborn				37 278 307			
Decatur						24 060	373*
De Kalb	***************************************		:			32 482	364
Delaware			:			300	392*
Dubois	35 783 429						1
Blkhart						143 394	466
Favette						27 786	215*
Floyd			:	63 461 150			-
Pountain						18 929	398
Franklin						21 208	382
Fulton			:	18 858 369			
		outpoon on 5 and out of	, overnre	out to			

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	COUNTY	POPULATION AL	AREA	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA
10 miles	ibson						490		
1	rant	30 483	546						415
1,000,000,000,000,000,000,000,000,000,0	amilton ancook								
1 10 10 10 10 10 10 10	irrison								486
10 c 20 c	andricks anny	73 600	409					49	395*
10 ct 10 c	pward					84 640	293	34	366
10 cm 10 c	. advanta								514
10 430	asper							56	561
20 0 4 59 563 21 22 737 21 22 737 21 22 737 21 23 23 23 23 23 23 23 23 23 23 23 23 23	'n						:	21	384*
92 426 321 54 550 540 940 940 940 940 940 940 940 940 940 9	afferson	30 439	363					22	378
40 155 540 540 641 641 641 641 641 641 641 641 641 641	and and	a2 426	121						
250 016 521 540 28 018 250 018	xou								
200 016 251 106 574 600 4 10 106 107 106 574 600 4 10 106 107 107 107 107 107 107 107 107 107 107	osciusko		:						
106 674 600 4 1989 177 146 98 40 965 10 811 339 10 812 309 10 512 909 11 319 12 18 18 18 18 18 18 18 18 18 18 18 18 18	aGrange	500 016	501						380
777 16 556 40 995 777 16 556 10 811 339 10 812 320 10 813 320 10 8	a Dorte					106 674			
777 116 396 40 955 10 811 239 14 812 380 15 812 380 16 813 380 17 17 180 18 818 380 18 8	avrence							4	452*
777 16 396 00 00 00 00 00 00 00 00 00 00 00 00 00	adison		:				:	132	453
40 965 10 611 239 16 512 369 17 131 18 132 1	arion	777 116	396						
10 811 239 26 512 289 26 512 289 27 51 51 51 52 638 28 649 28 689 4.4484 bbn - 5 jet compressions	arshall								444
16 512 369 101 351 101 351 101 351 101 351 101 351 101 351 101 351 358 409 101 351 101 00197010101010	artin	10 811	339						
101 351 1582 159 409 15828 169 15928 169 169 15928 169 169 169 169 169 169 169 169 169 169	1 and	36 512	369						
15 878 53 878 409 55 878 400 55 800 55 800 55 800 55 800 55 800 55	ouroe		:					101	382
"Less than .5 psi overpressure	ontgomery		:					32	505
	organ		ľ	Legs than .5 p	st overp	ressur			
				•					

STATE OF INDIANA (Continued)

	WATER MAIN WORK	HIGH RISK		MEDIUM RISK	SK	LOW/NO* RISK	SK
COUNTY	POPULATION AREA	Dop	AREA	POPULATION	AREA	POPULATION	AREA
Newton	***************************************		:		:	14 5/2	401
Mobile	***************************************				:		413
4						5 153	87
0.00						18 661	408*
Owen					:	16 529	386*
						16 845	444
varke						19 057	381*
Perry							
Pike							
Porter	•						
Posey	26 129 410	_					
Day a she					:		432*
-						30 660	482*
Machan							454
Randolph							144
Ripley	***************************************		:				
Rush	***************************************					19 766	408*
St. Joseph	239 263 459						
11000					:	20 313	192
22000						40 382	412
Suerpa						21 255	400
Spencer	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					20 00	3004
Starke						2	3
Steuben							308*
Sullivan	***************************************		:		:	20 798	452
Switzerland	7 626 224						-
Tippecande			:		:	124 393	202
Tipton				15 688	261		
Union						۰	163*
Vanderburgh			:			168	203
Vermillion			:			17 904	260
Vigo	109 571 405						
Wabash	34 816 398	8					
		*Less than .5 psi overpressure	si overp	ressure			
			i				

	VERY HIGH RISK	RISK	HIGH RISK	38	MEDIUM RISK	SK	LOW/NO* RISK	ISK
COUNTY	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA
Warren							8 969	366*
Warrick		:			***************************************	:	45 743	391
Washington					***************************************		22 315	516*
Wayne		:			***************************************	:	72 979	404
ells							24 878	370
White							23 599	506
Whitley							26 512	336
TOTAL STATE	1 842 108 7 796	7 796	1	i	759 597 5 842	5 842	2 897 931 22 325	22 325
							290	13 014)*

*Less than .5 psi overpressure

MICHIGAN -- DIRECT EFFECTS RISK STATE

THE COLUMN THE TRANSPORT OF THE TRANSPORT PARTY OF THE TRANSPORT PAR	ALMINIO	٥	Gand Area: 57,019 square miles	e miles			
n n n n n n n n n n n n n n n n n n n		RIS 78.1	¥ 5	MEDIUM RISK EQ/GT 2PSI LT 5PSI POPULATION AREA	LOW/NO* RISK EQ/GT .5FSI LT 2PS POPULATION AREA	PSI L	T 2PS
n n n n n n n n n n n n n n n n n n n	Mcona				6	965	679
A VOLK WAS A MARK WAN WAS A MARK WAN WAS A MARK WAS A MARK WAN WAS A MARK WAN	Ager				00	5	6
nn	Allegan				84 857	22	832
an nn nn nn na ord	Alpena	31 164 568		16 919			
n n n n n n n n n n n n n n n n n n n	, and				ŧ.	90	368
a nu	Baraca				8	276	9
n n n n n n n n n n n n n n n n n n n	Barry			46 620			
	Bay						- 1
	Benzie				. 11 105	90	355
	Berrien						
•	Branch				. 38 324	24	208
	Calhoun						
	Cass			47 369			
	Charlevolx						
· ·	Cheboygan				. 20 952	25	720
, u	Chippewa	28 740 1 590			24 055	4	520
, u	clare			66 400 673		3	,
	Clinton				đ	700	9.50
	Crawford						3
	Delta					5 5	173
89 510	Dickingon				. 25 983	83	77
23 747	Eaton			015 68			
	Emmet			23 747			
Genesee 430 014 642	Genesee			430 014			
Chimochimono inc. 1 and the co.			Less than . > psi overpressure	ressure			

COUNTY	POPULATION A	AREA	POPULATION	AREA	POPULATION	AREA	POPULATION	TION	PULATION AREA
- 1 1							2	209	505
STAGNIE								217	1 105
codepto									
Grand Traverse		:							-005
Gratiot	39 574	220							
Hilsdale								41 565	603
foughton	38 148	1 014							
hron						:		35 867	830*
Theham	270 681	260							
Conia		:			. 52 503	577			
Cosco	30 680	546							
Lance								14 100	1 163*
to the last					. 54 659	576			
BADELLA									
Jackson	143 728	702							
Kalamazoo	215 916	562							****
Kalkaska								11 623	263
	465 063	690							
ent	200 200	-			, 000	***			
Keweenaw						1		603	1033
Lake		:	***************************************						3
Lapser		:		:				1,66	658
Leelanau	:					:	7	462	341*
								07 730	753
Cenavec								1	1
Livingston		-	***************************************	1		:		100 690	0/0
luce			***************************************	:		:		230	905
tackingo			***************************************			:	9	241	1 025
facomb	684 008	483							
danistee								22 152	543
Marguette	71 997	1 882							
Na con				:		:		439	495*
Vecosta								37 282	560
-								968	1 045
Menominee		ľ	*Less than .5 psi overpressure	at overp	ressure				
			A-	A-182					

STATE OF MICHIGAN (Continued)

Column C		VERY HIGH RISK	RISK	HIGH RISK	×	MEDIUM RISK	XISK	LOW/NO* RISK	X RI	SK
100 600 157 16 10 600 1	COUNTY	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA	POPULATI	NO	AREA
103 504 737 10 6689 103 100 100 100 100 100 100 100 100 100	idland						525			
10 20 20 20 20 20 20 20 20 20 20 20 20 20	issaukee	130 040	557					9	686	265*
103 070 075 155 65 677 159 159 169 179 179 179 179 179 179 179 179 179 17	ontcalm	50 284	713							
155 94 95 16 362 1 1 25 94 95 16 362 1 1 36 94 1 25 1 36 94 1	ontmorency							4	313	550*
10 at 0.0 at 0	nakegon							155	184	507*
1 003 000 005 17 461 000 17 461 000 18 400 19 500 10 700	емаудо							36	547	847
17 66	kland	1 003 070	875							
7 17 66 1 309	ceana					:		21.0	626	541*
9 639 19 706 734 19 706 734 19 706 734 19 706 734 19 706 734 19 707 19 7	genaw	17 661	269							
2 5 5 5 5 5 5 5 5 5 7 7 7 7 7 7 7 7 7 7	ntonagon							6	330	1 311*
197706 734 10 10 10 10 10 10 10 10 10 10 10 10 10	sceola		:		:			20	122	\$69
15 421 1	scoda		:		:	:		9	14	268
13.706 734 13.67 14.64 26.77 17.701	csago							15.4	12	516
137 706 734 19 444 259 19 19 19 19 19 19 19 19 19 19 19 19 19	ttava						267			
18 44 28 19 19 19 19 19 19 19 19 19 19 19 19 19	resque Isle							13.7	181	929
137 706 734 216 216 774 216 717 216 71	ogcomon		:				528			
117 706 734 29 102 12 12 12 12 12 12 12 12 12 12 12 12 12 1	aginaw		:				815			
9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	c Clair	137 706	734							
265 281 710 5 148 663 16 56 28 28 649 18 68 649 18 68 649 18 68 649 18 68 649 18 68 649 18 68 649 18 68 649 18 68 649 18 68 68 649 18 68 68 68 68 68 68 68 68 68 68 68 68 68	c Joseph					:		28	102	503
\$ 445 245 331 710 2 446 342 2 446 342 3 446 346 3 446 342 3 446 346 3 446 342 3 446 34	anilac								337	964*
5 5 50 565 16 562 1 256 674 7 7 7 10 14 142 143 143 179 144 142 143 143 143 179 179 179 179 179 179 179 179 179 179	chooleraft		:		:	:	:		115	1 173*
5 80 56 16 50 14 overpressure (179 179 179 179 179 179 179 179 179 179	hiawassee		:		:				929	541
265 282 710 66 432 710 710 710 710 710 710 710 710 710 710	ascola		:			:			330	812
5 590 565 16 262 1 256 474 7 530 2 143 739 5 143 179 5 143 179 5 143 179 5 143 179 5 143 179 5 143 179 5 143 179 5 143 179 5 179	an Buren								132	612
5 580 565 16 582 1 256 474 7 7 7 1 144 142 7 19 1 144 142 143 719 1 144 142 143 143 719 1 144 142 143 143 719 1 144 145 144 145 144 145 145 145 145 1	ashtenav	265 283	710							
5 590 565 16 70 2 1 296 474 7 930 2 143 179 Tass than 15 pit overpressure (1 424 142 142 142 142 142 142 142 142 14	ayne	2 148 063	615							
5 590 565 16 262 1 296 474 7 930 2 443 7799 1 296 474 7 930 (1 484 442 474 799)	exford								10	2995
(1 424 142	OTAL STATE	5 590 565	16 262	1	1	1 296 474	11	2 143		32 827
119 597			•	ess than .5 p	st overpr	essure		(1 424]		13 629)
								(719		19 198)

RISK BFFBCTS DIRECT MINNESOTA 0 F STATE

ø

Estimated 1985 Population: 4,181,231 Land Area: 79,547 square miles

	VERY HIGH RISK	HTGH RISK		MEDITUM DISK	you sow more	40
COUNTY	OT 10 PSI POPULATION AREA	POPULATION AREA	10PSI AREA	EQ/GT 2PSI LT 5PSI POPULATION AREA	EQ/GT .5PSI LT 2PSI POPULATION AREA	LT 2PSI AREA
414.4						
Anoka		214 648	430	214 648 430	3 613	836
Becker					29 238	1 312*
Beltrani				***************************************	33	2 507*
Benton				***************************************	26	408
Big Stone					7 694	*497*
Blue Earth				***************************************	51	749*
Brown				***************************************		610*
Carlton	30 176 864					
Carver				39 822 351		
Cass					21 799	2 033*
Chippewa			:		14	584*
Chisago	48 492 1 049			48 492 1 049	28 024	417*
Clearwater					8 958	1 000
Cook					4 068	1 412
Cottonwood				***************************************	7	640*
Crow Wing			•		43 714	1 008*
Dodge	200 000 014			7.70 070 014	15 445	439*
Douglas					29 249	644*
Fairbault			:	***************************************	18	714
Fillmore			:	***************************************	21	862*
Freeborn			:	***************************************	32	705*
Goodhue			:	***************************************	39 373	763*
	F	Less than .5 psi overpressure	1 overpr	essure		

	TODA UTCH DIEK	Ter	HIGH RISK		MEDIUM RISK	RISK	LOW/NO* RISK	P* RIS	3X	
COUNTY	POPULATION	AREA	POPULATION	AREA	POPULATION	N AREA	POPULATION	NO	ARBA	
							9	668	547*	
Rennepin	969 049	125					\$		****	
Houston			***************************************				₽;	700		
Hubbard				:	:	:	*	/24	2	
Isanti	:						25	25 121	440	<u>.</u>
							42	784	2 661*	
- tranca							13	471	*669	
Deckadii							12	663	527*	
Nanabec							38	440	784	:
Kittgon							ø	467	1 104*	:
							16	344	3 108	*.
NOOGUTCUTUS							9	177	172.	•
Lac Qui Parle							2	-		
Lake	11 624	2 053						775	1 206.	*
Lake of the Wood			***************************************				١,			****
Le Sueur	:		***************************************				53	5	7	
							-	811	60	*68
Lincoln							25	25 402	-	174
Lyon							2 2	30 687	89	*689
McLeod								360	ű	*055
Mahnomen	:	1		•				200	3	
Marshall							12	456	1 760	
Wavetin									70	*90
Washor				:				191	9	524
Wille Tage					:		48	965	S	578*
Morrigon				:			30		-	124*
Mower								199	7	*114
								926	7	102*
MULTAN								475	4	440*
Micollet							21	185	ř	714*
Nobles									a	R77*
Norman									ŭ	*5.55
Olmsted			"Less than .5 psi overpressure	si overp	casure					
			-V	A-186						

STATE OF MINNESOTA (Continued)

2		ARGA	POPULATION	ARGA	POPULATION	ARGA	POPULATION	100	ane.
Otter Tail							52	568	1 973*
Pennington		:		:	***************************************	:	13	13 745	618
Pine		:		:		:	21	028	1 421
Pipestone					400 A 00		Ξ	155	466
Pope		:				:	=	11 767	.899
Remsey	469 833	154							
Red Lake		:		:		:	40	5 145	433*
Redwood		:			***************************************		19	19 036	881
Renville					***************************************		19	875	*86
Rice							47	643	501
Rock		:		:		:	9	482	483
Roseau						:	12	588	1 677*
St Louis	206 555	6 125							
Soott						:	47	47 955	357
Sherburne							33	369	435
Siblay		:		:		:	5	15 312	593*
Stearns		:		:	***************************************	:	113	113 166	1 338*
Steele	:	:		-	***************************************	:	53		431*
Stevens					***************************************	:	10	574	560
Swift							12	526	742*
Lodd		:		:	***************************************	:	25		941*
Traverse		:		:	***************************************	:	'n	391	575
Kabasha		:		:	***************************************	:	19	538	537*
fadena					***************************************		13	856	537
faseca							18	502	422*
Washington	125 448	390							
Watonwan		:		:		:	12	12 366	435
Wilkin		:		:	***************************************	:	7	966	751*

STATE OF MINNESOTA (Continued)

COUNTY	VERY HIGH THREAT POPULATION ARE	THREAT	HIGH THREAT POPULATION AI	RAT AREA	MEDIUM THREAT POPULATION ARE	HREAT	LOW/NO* THREAT POPULATION ARE	HREAT
Wright Yellow Medicine							62 769	672
TOTAL STATE	2 079 535 11 751	132 11	214 648	430	73 301 2 332	2 332	1 813 747 (158 758 (1 654 989	65 034 6 105) 58 929)*

*Less than .5 psi overpressure

EFFECTS DIRECT -- OIHO 0 E STATE

Estimated 1985 Population: 10,638,633

	Batt	Estimated 1985 Population: 10,638,633 Land Area: 41,006 Equare miles	10,638,633 re miles			
	VERY HIGH RISK	HIGH RISK	MEDIUM RISK	ISK	LOW/NO* RISK	SK
	186	ä	BQ/GT 2PSI LT 5PSI	LT SPSI	EQ/GT . SPSI LT 2ZPSI	LT 2ZPSI
COUNTY	POPULATION AREA	POPULATION AREA	POPULATION	AREA	POPULALIUM	AKEN
Adams			24 825	989		
Allen	108 246 405					
Ashland			46 416.	454		
Ashtabula	100 965 703					
Athens			. 58 385	208		
Auglaize	43 248 398					
Belmont			81 529	537		į
Brown		i		:	33 844	493
Butler	į	267 089 465				
Carroll	27 213 393					
Champaidm					33 387	429
Clark	146 853 398					
Clermont		138 508 456				
Clinton				:	34 895	410
Columbiana	11 603 534					
Coshocton	36 487 566					
Crawford				:	48 719	403*
Cuyahoga	1 451 046 459					
Darke		. 53 525 606				
Defiance					38 008	414*
Delaware						443
Erie					17	264
Patrition					96 335	206
Pavette				:		405*
Franklin	899 877 542					
		*Less than .5 psi overpressure	ressure			

COUNTY	VERY HIGH RISK HIGH RISK MEDIUM RISK POPULATION AREA FORULATION AREA	LOW/NO*	LOW/NO* RISK SPULATION	AREA
Pulton				
ballia	30 092 471	·	75 013	408
Seauga	i			
Greene Guernsey	129 410 415		41 304	522
Hamilton	861 633 412			
Bancock	64 917 532			į
Bardin		5 :	287	5 9
Harrison	28 187 415		ŝ	0
Henry				
at ohland			376	553*
Rocking		54	746	423
and man	***************************************	30	289	424
Junous			072	495
		59	753	420*
Jackson				
Jefferson	86 780 410			
Knox	i		2	670
Lake	216 175 231			
Lawrence				
Licking	124 764 686			
Cogan	i		39 597	458
Loratn				
Lucas	462 017 341		9	
Madison			34 343	è
Mahoning	279 136 417			
Marton	i		66 049	403*
Medina	422			
Meigs				
Marger	38 647 457		000	•
Miami	*Less than .5 psi overpressure		9	?
	A-190			

	VERY HIGH RISK	HIGH RISK		MEDITIN RISK	287	LOW/NO* RISK	TSK
COUNTY	POPULATION AREA	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA
fonroe		16 091	458				
Montgomery				561 738	458		
Morgan	***************************************			:	:		420
MOLLOW	***************************************				:	26 564	406
Muskingum		84 376	654				
Noble					:	11 231	399
Ottawa	***************************************				:	39 633	253
Paul ding						20 507	419*
Perry	***************************************			:	:	31 855	412*
Pickaway				42 544	503		
Pike	24 296 443						
Portage					:	137 910	493
Preble							426
Putnam						33 276	484
Richland	128 552 497						
Ross						68 139	692
Sandusky		61 918	409				
Scioto			:	84 422	614		
Seneca			553				
Shelby		43 360	409				
Stark	376 852 574						
Summit	509 599 412						
Trumbul 1	235 536 612						
Duscarawas					:		569
Trion						31 017	437
Van Wert						29 833	
Vinton						11 473	Ī
Warren						103 313	403
Mayne Mayne	į	100 270	557				
	•	*Less than .5 psi overpressure	i overpre	sanze			

nned
(Conti
OHIO
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STATE

RISK	422*	406	1 17 615 5 12 099) 8 5 516)*
LOM/NO* RISK POPULATION	36 158	22 355	1 804 873 (1 307 105 (497 768
USK AREA			6 027
MEDIUM RISK POPULATION			1 487 248 6 027
K ARBA			4 999
HIGH RISK POPULATION		108 636 619	850 066 4 999
RISK ARBA		619	12 365
VERY HIGH RISK POPULATION A		108 636	6 496 446 12 365
COUNTY	Williams	Wood	TOTAL STATE

*Less than .5 psi overpressure

RISK EPFECTS WISCONSIN -- DIRECT 9 0 STATE

Colon Colo	THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS O		. Estis	Estimated 1985 Population: 4,779,553 Land Area: 54,424 square miles	tion:	4,779,553 e miles					
15 25 26 2 26 2 26 2 26 2 2 2 2 2 2 2 2 2	25 24 1 285 25 24 1 285 25 24 1 285 26 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	COUNTY	RIS			MEDIUM B EQ/GT 2PSI POPULATION	LT SPSI AREA	EQ/GT . SPE POPULATION	SI IS	ARE.	18.5
15 54 1 105	235 264 1 205 24 2 205 24 2 205 25 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Adams						13 850		99	
12 12 12 12 12 12 13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	2 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ashland						17 248		9	
2	25 264 1 205 25 264 1 205 26 2 2 205 26 2 2 205 26 2 2 205 26 2 2 205 26 2 2 205 26 2 2 205 26 2 2 205 26 2 2 205 26 2 2 205 26 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Barron			:			39 553	m	86	*
1 1 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	25 24 1 265 25 24 1 265 26 26 26 26 26 26 26 26 26 26 26 26 26	Bayfield			:		:	14 400		46	
1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25 264 1 205 25 264 1 205 26 2 305 2 4 1 205 26 2 305 2 4 1 205 26 2 305 2 4 1 205 26 2 305 2 4 1 205 26 2 305 2 4 1 205 26 2 305 2 4 1 205 26 2 305 2 4 1 205 26 2 305 2 4 1 205 26 2 305 2 4 1 205 26 2 305 2 4 1 205 26 2 305 2 5 1 205 26 2 305 26 2 305 26 2 305 26 2 305 26 2 305 26 2 305 26 2 305	Brown						182 756		22	*
135 264 1 205 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	4.0 EV 1.265	Buffalo						14 572	2	69	6
2	25 264 1 205 25 264 1 205 26 2 305 2 4 1 205 26 2 305 2 4 1 205 26 2 305 2 4 1 205 26 2 305 2 4 1 205 27 2 305 2 4 1 205 28 2 305 2 4 1 205 28 2 305 2 4 1 205 28 2 305 2 4 1 205 28 2 305 2 4 1 205 28 2 305 2 4 1 205 28 2 305 2 5 1 205 28 2 305	Burnett			:			13 869	6	8	*8
23 25 24 1 205 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	255 264 1 205 24 206 1 206 24 2 206 1 206 25 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Calumet			:			33 511		32	.9
2	25 584 1 205 25 584 1 205 35 584 1 205 35 584 1 205 36 58 584 584 584 584 584 584 584 584 584	Chippewa			:			53 660		9	*
15 264 1 205 1 56 579	235 264 1 205 42 876 1 205 24 24 25 25 26 27 28 28 28 28 28 28 28 28 28 28 28 28 28	Clark			:		:	34 020		2	<u>*</u>
25 264 1 205 25 25 25 25 25 25 25 25 25 25 25 25 25	135 264 1 285 42 876 1 385 24 876 1 385 24 876 1 385 24 876 1 385 24 876 1 385 24 876 1 385 24 876 1 385 24 876 1 385 24 876 1 385 24 876 1 385 24 876 1 385 24 876 1 385 24 876 1 385 24 876 1 385 25 8	Columbia						44 91	٠	77	-
135 264 1 205	335 264 1 205 42 676 1 305 24 25 26 26 27 28 28 28 28 28 28 28 28 28 28 28 28 28	Crawford					:	16 679	6	56	* 9
20 13 25 25 25 25 25 25 25 25 25 25 25 25 25	Se 1 205 Se	Dane	335 264 1 205								
10 20 1 20 1 20 1 20 1 20 1 20 1 20 1 2	to and the state of the state o	Dodge			:			76 13		88	4
4.1 Pric 1.305 2.2 C	Section 1 1065	Door			:			26 236		4	*
200	Section 1 of the sectio	Douglas	43 876 1 305								
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20 C C C C C C C C C C C C C C C C C C C	re free that 5 and overgressing	Eau Claire			:			83 603		63	*8
25 89 789 89 78	See	Florence			:			4 02	90	48	*9
9 364 -1 1 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	lake the style of	Fond du Lac								72	*
15 92 92 15 15 15 15 15 15 15 15 15 15 15 15 15	Lake	Porest						9 36		5	÷
30 446 19 281 20 743	Lake .5 ps1 overpressure	Grant			:		:	51 843	~	=	٠,
19 281 20 743	Lake "Leake than 5 psi overpressure	Green			:			30 446	9	28	2
20 743	*Tess than .5 psl overpressure	Green Lake			:		:	19 28	_	35	*
	*Less than .5 ps1 overpressure	Iowa			:					26	*0

	120 946 273	2 613	15 11 11 11	6 280 66 968 20 184 17 175 20 122 28 174 83 201 11 373 12 737 3 332	280 607 968 184 175 175 174 174 174 174 174 174 174 174 174 174	562* 562* 343* 634* 873* 594* 5594* 3594
	120 916 273	99 613	16 11 111	56 96 96 96 96 96 96 96 96 96 96 96 96 96	77 88 48 78 79 79 79 79 79 79 79 79 79 79 79 79 79	998 562* 343* 873* 886* 559* 355* 355*
	120 916 273	33 613	6	20 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	83 45 45 52 52 52 52 52 52 52 52 52 52 52 52 52	562* 343* 634* 873* 886* 5594* 359*
	120 916 273	93 613	<u> </u>	20 1 17 1 1 12 2 8 1 1 1 2 2 4 1 2 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	48 22 22 22 22 22 22 22 22 22 22 22 22 22	343* 634* 873* 886* 594* 395* 454*
and beat a standard of the sta	120 916	93 643	16	20 17 17 17 18 28 18 28 18 28 18 28 18 28 18 28 18 28 18 28 18 28 28 28 28 28 28 28 28 28 28 28 28 28	25 25 25 25 25 25 25 25 25 25 25 25 25 2	343* 634* 886* 594* 395* 359*
		93.613.4	16	20 1 7 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 2 2 2 2 1 2	34 22 22 22 23 24 25 25 25 25 27	343* 634* 873* 886* 559* 455* 355*
		7 7 7 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7		201 1 2 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	75 74 74 01 10 13 13 13 13	634* 873* 886* 594* 395* 454* 359*
				28 28 1 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2	22 74 22 23 24 25 25 25 25 26 26 26 26 26 26 26 26 26 26 26 26 26	886* 886* 594* 395* 359*
				28 8 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	395 4 454 395 4 359 4 359 4
				8545	100 100 100 100 100 100 100 100 100 100	594* 559* 395* 359*
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				2 4 5 5 E E	32 22 1	359* 359* 359*
				6 2 E E	32 1	395* 454* 359*
_				3 8	32	359*
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ate e				133 8	891	642
			:		465	235
			:	-	643	231*
Pepin				32	390	576
plerce				34	191	919
Polk				5	011	810*
Portage						
			:	16	777	1 256*
				ç	603	585*
nd				138	419	724
				2 2		
			:	0		2
Rusk *Les	*Less than .5 psi overpressure	verpressure				
	A-194					

STATE OF WISCONSIN (Continued)

COUNTY	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA	POPULATION	NO	AREA
St Croix							45 277	775	723
Sauk						:	44 8	373	838
Sawyer							14.3	310	1 255
Shawano		:		:			36 820	320	*468
Sheboygan	:				***************************************		102 3	383	515
Taylor						:	18 6	999	975
Trempealeau				:	***************************************	:::::::::::::::::::::::::::::::::::::::	26 1	132	736
Vernon		:						277	808
Vilas		:		:	***************************************	:	17.7	20	867
Walworth							7 0 7	757	556*
Washburn							13 767	167	815
Washington		:		:	***************************************	:	87 947	42	431
Waukesha				:		:	286 077	770	554
Waupaca		:		:		:	43.9	626	754*
Waushara	:					:	19 3	321	628
Winnebago							133 994	994	449*
Mood							77	538	*108
TOTAL STATE	1 561 858	4 762	120 916	273	96 613	457	3 000 166	997	48 931
							(821 1	189	7 241)

*Less than .5 psi overpressure

SUMMARY RISK RPFECTS VI -- DIRECT REGION FEMA

9

Estimated 1985 Population: 28,140,362 Land Area: 548,583 square miles

STATE	GT 10	VERY HIGH RISK GT 10 PSI PULATION A	RISK PSI AREA	HIGH RISK EQ/GT 5 PSI LT POPULATION	I LT 10PSI	RQ/GT 2 PSI LT 5PSI POPULATION AREA	PSI LT	SPSI	EQ/GT . SPSI LT POPULATION	/GT - SPSI LT PULATION	2 5	2PSI AREA
Arkansas	684	684 065	5 881	122 524	3 100	126 318		3 882			8 9	9 219 2 924)
Louisiana	2 874 344	344	15 620	1	l	241 823		3 988	1 408	613 852 728	8 48	36 295)* 24 912 8 284)
New Mexico	1 096 156	156	40 531	I	I	17 008		2 453	347			352
Oklahoma	2 162 942	942	17 312	72 149	930	186 705		7 887	943		42 527 20 080 22 447	42 527 20 080) 22 447)*
Texas	11 956 816	916	45 954	43 175	1 098	1 081 754		19 826	3 344 255 (1 536 202 (1 808 053	202 202 053	195 111 49 915 145 196	95 111 49 915) 45 196)*
TOTAL REGION VI	18 774	323	18 774 323 125 298	237 848 5 128 1	5 128	1 653 608		38 036	7 474 583	583	380 121	121 679)

RISK EPPECTS DIRECT ; ARKANSAS 9 0 STATE

Entimated 1985 Population: 2,363,641 Jand Area: 52,082 square miles

	VERY HIGH RISK	HIGH RISK		MEDIUM RISK	LOW/NO* RISK	* RIS	×	
COUNTY	OT 10 PSI POPULATION AREA	BQ/GT 5PSI LT POPULATION	AREA	BQ/GT 2PSI LT 5PSI POPULATION ARRA	EQ/GT . SPSI LT 2PSI POPULATION AREA	NO NO	AREA	IS &
Arkansas					24 0	25	1 006*	1 :
Ashley					26 615	15	6	934*
Baxter					30 1	11	Ň	546*
Benton					96 0		8	844*
Boone					28	13	25	584*
Bradley				i	13 434	34	9	654*
Calhoun				6 162 629				
Carroll			•		17.5	597	9	534*
Chicot				***************************************	18 017	17	ě	•649
Clark			•		23 1	166	8	367*
Clay				19 819 641				
Cleburne					19 153	53	Š	551*
Cleveland					8 119	5	55	669
Columbia		. 27 495	767					
Conway					19 479	42	š	828
Craighead					63 470	20	1	713*
Crawford					40 1	173	Š	293*
Crittenden			:	50 180 599				
Cross					20 753	53	9	622*
Dallas					11 0	014	9	*899
Desha					19 6	869	7	746*
Drew					17.9	46	83	831*
Faulkner					50 628	28	ě	646
Franklin					15 5	88	ĕ	*609
Fulton					10.4	449	9	616*
		"Less than .5 net overpressure	Overn	- essure				

1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	COUNTY	VERT HIGH RISK HIGH RISK POPULATION AREA POPUL	LOW/NO* RISK POPULATION	SK
10 10 10 10 10 10 10 10	1		74 774	657*
1 1 1 1 1 1 1 1 1 1	Partand		13 183	633
10 10 10 10 10 10 10 10	ranc		31 370	578*
1 1 1 1 1 1 1 1 1 1	reene		23 615	725
10 10 10 10 10 10 10 10	lot Spring		27 264	615
1 1 1 1 1 1 1 1 1 1				574*
10 10 10 10 10 10 10 10	Oward		32 517	763*
1	ndependence		11 018	581
10 ct dec 10 c	schoon		21 479	633*
Table 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	efferson	90 496 882		
THE TOTAL THE TO	ohnson	18 525 676		
10 64 10 10 10 10 10 10 10 10 10 10 10 10 10	aFavette			2 6
Total 1999 1997 1998 1999 1997 1998 1999 1997 1998 1999 1997 1998 1999 1997 1998 1999 1998 1999 1999	avrence		18 040	500
Harris San February 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			15 391	602
National Conference	incoln			263
Appl. 19 19 19 19 19 19 19 19 19 19 19 19 19	Attle River	677	14 145	\$16*
Lippi 59 99 77 7 72 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ue6o	799 07		
29 19 19 19 19 19 19 19 19 19 19 19 19 19	onoke	20/ 527 (63	11 851	837*
59 199 197 198 198 64 610 198 198 198 198 198 198 198 198 198 198	adison		12 601	587*
13 440 777 19 80 70 70 70 70 70 70 70 70 70 70 70 70 70	10448	0,00		
1980 1980 1981 1980 1980 1980 1980 1980	iller	39 626		
T 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	tesiesippi	59 199 897	13 383	*609
The state of the s	ouroe		7 782	175*
1 200 1 7 200	lontgomery	10 970 620		
(a. 1344) 737 7 924 pp				0000
1	Tewton			623
ps 31653	uschita	33 443 737	7 924	441*
sansmandisso yed ç. uwq. seeri.	erry		33 653	685
Tless than .5 pel overpronsure	hillips		10 051	198
	ike	*Less than .5 psi overpressure	2	

STATE OF ARKANSAS (Continued)

	VERY HIGH RISK	ISK	HIGH RISK	_	MEDIUM RISK	ISK	LOW/NO* RISK	XIX
COUNTY	POPULATION	AREA	POPULATION	ARBA	POPULATION	AREA	POPULATION	AREA
FULLSBEEC	:	:	***************************************	:		:	25 939	162*
Polk		:		:			17 50R	860*
Pope	42 387	820						
Prairie							10 052	4444
Pulaski	352 946	767						3
Randolph		:					16 315	656*
St Francis							31 547	629
Saline	56 244	725						
Scott		:	***************************************				906 6	*468
Searcy			***************************************				8 941	-
Sebastian							97 960	535*
Sevier			***************************************	:		:	14 471	
Sharp	:		***************************************	:		:	15 673	606 *
Stone Union	49 350	1 053	49 350 1 053				9 766	*909
Van Buren							15 337	*602
Washington			***************************************	:			104 872	951*
White		:				:		1 040
Woodruff			18 140 931	931			10 516	\$92*

*Less than .5 psi overpressure

TOTAL STATE

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	VERY HIGH RISK GT 10 PSI	ALSK 31	HIGH RISK BO/GT SPSI LT 10PSI	10PSI	MEDIUM RISK BO/GT 2PSI LT 5PSI	EOW/NO* RISK BO/GT .5PSI LT 2PSI	RIS!	r 2PSI
COUNTY	POPULATION	AREA	POPULATION	AREA	POPULATION AREA	POPULATION	20	AREA
cadia	59 861	657						
llen		30				. 21 908	80	992
Assumption	700 00		20 00 00		23 808 342			
voyelles						43 773	73	846*
leauregard							4	163
denville		:		1	***************************************	16 855	22	815
lossier	90 980	845						
addo	276 755	894						

732* 717 456 636 *685 578*

12 760 23 966 27 693

1 081 176 853 18 483 397 601

Calcasieu Catahoula Claiborne Concordia Cal dwell

Cameron

458

East Baton Rouge East Feliciana East Carrol Evangeline [beryille

De Soto

Franklin

880 455 653

> 11 376 20 727 35 372 24 409 18 370 70 124

17 125

Table 1	COUNTY	VERY HIGH RISK POPULATION AS	AREA	HIGH RISK POPULATION AREA	MEDIUM RISK POPULATION AREA	LOM/NO* POPULATION	LOW/NO* RISK PULATION	ISK	
25 25 24 24 25 25 24 25 25 25 24 25 25 25 25 25 25 25 25 25 25 25 25 25	Jefferson	479 824	347						
25 24 10 10 10 10 10 10 10 10 10 10 10 10 10	Jefferson Davis	33 174	929						
2 50 344 99 9 15 17 5 3 18 4 18 18 18 18 18 18 18 18 18 18 18 18 18	LaPayette	:					046	270	
25 384 99 10 10 10 10 10 10 10 10 10 10 10 10 10	LaSalle	80 60 eo	•				629	638*	
259 384 999 143 98 143	Timonia				43 102				
25 24 70 1 24 1 25 24 1 25 24 1 25 24 1 25 24 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	T designation							661	
25 24 69 60 61 61 61 61 61 61 61 61 61 61 61 61 61	TOTAL PROPERTY.								
250 314 190 154 155 154 155 154 155 155 155 155 155	Wadlson								
259 344 999 2 8 882 7 105 2 8 882 7 105 2 9 92 34 93 93 93 93 93 93 93 93 93 93 93 93 93	Natchitoches							1 264*	
Fig. 2 (2) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	Orleans	559 384	199						
2 3 93 93 93 93 93 93 93 93 93 93 93 93 9	Ouschita						485	627*	
20	Plaguenines	26 882 1	035						
19 793 1 341 19 189	Pointe Coupee	24 933	266						
27 586 28 168 486 29 17 588 29 17 1 248 29	Rapides	139 793 1	341						
### 17 19 19 19 19 19 19 19 19 19 19 19 19 19	Red River						686	394*	
10 10 10 10 10 10 10 10	Richland						884	563*	
10 00 00 00 00 00 00 00	Sabine						588	855*	
42 799 206 22 12 20 20 20 20 20 20 20 20 20 20 20 20 20	St Bernard	68 168	486						
Filts 2 12 24 24 24 25 21 25 2	St Charles	42 789	286						
21 21 248 21 21 248 21 21 248 21 21 248 21 21 248 21 21 248 21 21 248 21 21 21 248 21 21 21 21 21 21 21 21 21 21 21 21 21 2	St Helena						406	400	
Prints 41 80 6 213 90 161 306 90 161 306 10 161 306 10 162 424	St James	22 121	248						
90 [61 936 47 289 77 289 77 289 77 289 77 289 28	St John Baptist	41 836	213						
45 259 46 229 46 229 47 229 48	St Landry		936						
142 192 773 65 424 142 192 773 65 424 15 15 15 15 15 15 15 15 15 15 15 15 15 1	St Martin						258	749	
12 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13	St Mary						424	613*	
9 62 7 9 62 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	St Tammany				142 182				
ma	Tangipahoa						622	783*	
Tass than 5 gal overpressure P-204	Tensas						292	623*	
N00-4	Terrebonne			ess than .5 psi over;	pressure		873		
•				A-204					
•									
	4			•					

STATE OF LOUISIANA (Continued)

COUNTY	VERY HIGH RISK POPULATION A	# K	ISK AREA	HIGH RISK POPULATION	ARBA	MEDIUM RISK POPULATION	AREA	LOW/NO* F POPULATION	LOW/NO* RISK PULATION	* *	AREA
Union Vermilion Vernon Washington Webster	62 258	32 88 : :	62 258 1 332 45 935 602	62 258 1 322 45 925 602		22 551	884		54 232 1 205 46 376 676'	- 0	205
West Baton Rouge West Carroll West Feliciana Winn	20 678	8 65	194	20 678 194 13 859 406					13 224	117 01	360*
TOTAL STATE	2 874 344 15 620	4	15 620			241 823 3 988	3 988	1.408 (521 (887	1 408 852 24 912 521 728 8 284 887 124 16 628	16 8 24	24 912 8 284) 16 628)*

*Less than .5 psi overpressure

	44 E4 00	M F4	0	z	66	1 1 3	M E	MEXIC		pout 1	atto 36 8	D I R		ECT E 1,460,783 miles	a 0	m	D 10	α	S I	× (
COUNTY		VERY G POPUL	VERY HIGH RISK GT 10 PSI POPULATION A	IS I	AREA	5	8.8	H 75		N I I I	10PSI AREA	. 55	Ø. Ø.	MEDIUM RISK BQ/GT ZPSI LT SPSI POPULATION AREA	NO.	25 E	SPSI	LOW/NO* RISK BQ/GT .SPSI LT ZPSI POPULATION ARRA.	N/NO	LOW/NO* RISK /GT . SPSI LT PULATION	× 5	2PSI AREA
Bernalillo		3	456 640		1 169	0		1			1									1		
Catron	•	60 404	60 404	:	990 9		:	:	:	:	į	i	i			:			8/ 8	-	e e	676
Colfax	•		44 347		1 408			:			:					:	44 347 1 408		13 280	90	6	3 762*
DeBaca	•	i		:	•	:	- 1	:	÷	÷	•	÷	i	-	•	:			21	278	2 3	2 323*
Dona Ana Eddy		= "	116 120 55 403		3 819 4 184	o 3																
Grant	•	i	:	÷	i	÷	÷	÷	i	i	i	Ė	į	i	•	i			27 992	6 :	6	3 969*
Guadalupe	•	•	:	:	i	:	i	:	:	i	i	i	i	i	:	:	***************************************		4	448	m	3 032
Harding	٠			:	:	i	÷	:	÷	÷	i	1	i		:	÷				946	~	2 122*
Hidalgo	•		89 089	:_	4 390	: 2	:	:	:	i		:	•			:	68 068 4 390		ō.	462	m	0.00
Lincoln	•		i	÷	:	÷	i	÷	i	÷	:	į	į	•	÷	÷			14 173	5.3	4.	832*
Los Alamos	•			÷	:	i	i	:	i	÷	i	:	:		1	:	***************************************		396	ŝ	-	5
Luna	•		i	:	:	÷	-	1	÷	i	:	:	1		÷	i			16 846	46	24	965
McKinley		_	62 558		5 442	2														5		*000
Mora	•	50 681 6 626	50 681	Ĺ	6 626	: 6	:	i	i	i	:	•				:			,	8	-	ģ
Quay	•		i	÷	:	÷	•	i	÷	÷	:	•	i		:	i			10 634	34	2	2 874
Rio Arriba	•		į	i	:	÷	•	÷	÷	i	:	•	1		-	-			32 8	808	'n	856
Roosevelt	•		i	i	÷	i	:	i	i	i	:	1		-	900 /1	N	2 453		35 67R	78	-	1 707
Sandoval San Juan			99 037	: ,	5 522	: 2		:	:	:							99 037 5 522					
San Miguel	•	•	i	÷	፥	:	:	÷	i	÷,	:	:	i	i	÷	÷			24 909	60	4	4 709
						•	9	5	e e	e E	ō H	grap.	Less than .5 psi overpressure	ire								

LOW/NO* RISK

MEDIUM RISK

HIGH RISK

VERY HIGH RISK

COUNTY	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA	E 25
Santa Pe	82 898 1 905	1 905							
Sierra		:	***************************************	:		:	9 0 58		18*
Socorro		:		:			15 027		52*
Taos		-	***************************************	:		:	21 094		2 204*
Torrance			***************************************				8 397		32
Union							5 531		30*
Valencia							70 975	5 616	9
TOTAL STATE	1 096 156 40 531	40 531	1	i	17 008 2 453	2 453	347 619	78 352	25
							(159 355	17 476)	16)
							(188 264 60 R76)*	60 8	7611

*Loss than .5 psi overpressure

RISK RFFECTS OKLAHOMA -- DIRECT N O STATE

Estimated 1985 Population: 3,364,919 Land Area: 68,656 square miles

	VERY HIGH RISK	HIGH RISK		MRDIUM RISK		TOW/N	LOW/NO* RISK	SK	
	GT 10 PSI	EQ/GT SPSI LT	10PSI	BO/GT 2PSI LT 5PSI		EQ/GT . SPSI LT 2PSI	SPSI	LT Z	ZPSI
COUNTY			AKEN			TO SOLUTION OF THE PARTY OF THE		1	1
T S					:	50	20 474	S	\$77.
alfalfa					:	7	7 148	æ	864
Atoka			•		:	13	908	a	086
Beaver			:	7 451 1 808			;	۰	
Beckham					:	28	28 439	20	404
Blaine					:	7	14 513	6	920*
Bryan			:		:	32	32 184	6	302
Caddo	34 998 1 286								
Canadian	71 951 902								
Carter	47 692 827								
Charokas					:	34	34 575	7	748
Choot and					:	16	16 400	7	763*
Cimarron					:	4	046	-	1 842*
Cleveland	160 572 529								
Coal					:	'n	919	'n	520*
Comanche	121 146 1 076						1		
Cotton	***************************************		:		:	φ:			0
Craig			:		፥	2	333		193
Creek		. 72 149	930						;
Custer	***************************************				:	ě	36 008	31.	
Delaware					:	88	28 310	-	720*
Dowov			:		:	9	721	-	1 007
E111s			:		÷	ø	483	-	32
Garfield	66 024 1 060								
Garvin	31 029 813								

*Less than .5 psi overpressure

COUNTY	VERY HIGH RISK POPULATION AREA	HIGH RISK POPULATION	AREA	MEDIUM RISK POPULATION	AREA	LOW/NO* RISK POPULATION	AREA
Srady				46 202	1 106		
Grant					:	6 713	1 004
Greer	***************************************				:	7 290	638
Harmon					:	4 422	537*
Нагрег	***************************************					4 839	1 039
faskel1						11 927	570*
Bughes						15 085	805
Jackson	30 803 817						
Jefferson					:	8 759	494
Johnston				10 912	639		
Zav				53 759	921		
Kinofisher					:	16 877	*906
Klowa						12 812	1 019
Catimer	***************************************				:		728*
Le Flore						43 438	1 585*
theoln	30 539 964						
Logan					-	31 357	748
Love					:	8 154	519
Moclain			:	. 25 247	581		
MoCurtain						35 933	1 826*
McIntosh						17 305	299
Major					1		926
Marshall			:	11 460	372		
Kayes	***************************************		:		:	35 187	644*
Murray				. 13 473	420		
fuskogee	70 748 815					:	i
Noble	i				:	12 129	736*
Nowata	11 552 541						
Okruskee			:		:	12 082	628
Oklahoma	635 696 708						
		*Less than .5 psi overpressure	si overpi	ressure			
		į	A-210				

STATE OF OKLAHOMA (Continued)

	NOT THE PARTY OF							AKEA	FOLDERATION	}	AREA
Okmul gee	40 403	869									;
Osage		:		:	:	:	:	:	42 658		7 794
Ortana		:		:	:	:	:	:	33 882		465
Pawnee						:	:		17 176		551
Payne	766 69	60									
Pittshurg				:		:	:		43 109		1 251
Sontotor					:	:	:	:	34 762		11
Dateman				:	:	:	:	:	62 945		783
Poctamentoho.						:	:	:	11 880	-	417*
Roger Mills									6 385	-	146
Rogers	56 007	683									
Seninole	29 055	639									1
Sectional		:	***************************************	:	:	:	:		22.00		8
Stephens	46 259	882					1	9			
Texas		:		i			107 81	7 040			
rillman				i	i	i			11 650	_	904
Tulea	519 654	571									
Wagoner	52 032	559									433
Washington				i					35 30		7
Washita	17 419	1 000									
Moods				•	•			:	10 827		1 291
Woodward	23 371	1 242									1
TOTAL STATE	2 162 942 17 312	17 312	72 149	\$	930	184	186 705	7 887	943 123		42 527
									 767 /05		1000 07

*Less than .5 psi overpressure A-211

RISK EFFECTS TEXAS -- DIRECT 9 0 STATE

Estimated 1985 Population: 16,426,000 Land Area: 261,989 square miles

	West under whom	MITCH BISE		MEDITIM RISK	EOM/NO* RISE	RIS	
	Į,	BQ/GT SPSI LT 10PSI	10PSI	S	EQ/GT . SPSI LT 2PSI	PSI L	r 2PSI
COUNTY	POPULATION AREA	POPULATION	AREA	POPULATION AREA	POPULATION	2	AREA
anderson					47 651	15	1 077*
Andress					16 6	60	1 501*
Annelina					69 361	19	*408
Araneas					17 801	10	280
Archer					60	179	907
brackrong				1 937 910			
Phonocon					28 7	13	1 218
Acaboosa					21 150	20	929
Dailon					8 2	27	827
Dalley					d	233	703*
Bandera						;	2
Bastrop		. 32 710	868				
Bavlor			:	***************************************	5 126	92	862*
Ree	29 378 880						
Rell	169 465 1 055						
Bexar	1 117 869 1 248						
Blanco					5 508	90	714
Borden			:	***************************************	-	93	.006
Boggue			:	***************************************		68	686
Bowie	80 151 891						
Brazoria	190 191 1 407						
Brazos					123	92	588
Browster			:		89	213	6 169*
Briscoe					7	566	887*
Brooks			:	***************************************	on.	279	945*
Brown			:		36	336	936*

COUNTY	VERY HIGH RISK POPULATION AREA	HICH RISK POPULATION	AREA	MEDIUM RISK POPULATION	SK AREA	LOW/NO* RISK POPULATION	ISK
Burleson						15 837	848
Burnet Caldwell	27 133 546					22 587	994
Calhoun	22 997 540	540				13 009	668
Cameron Camp Carson	248 893 905 7 188 924	. 10 465	203				
Castro						30 977 10 177	937
Chambers Cherokee Childress Clay	20 132 616			9 871	1 085	39 769 6 452	1 052
Cochran	***************************************				:	4 732	775*
Coke Coleman Collin	187 101 851			187 101	851	3 706	1 277*
Collingsworth						4 072 20 306	909*
Domail Domanche Doncho Dooke Coryell	44 827 585 18 832 1 657			44 827	888	13 217 2 977 29 097	930* 992* 893*
Cottle							
Crockett Crosby Sulberson	These than . 5 pst overpressure	Tess than .5 psi overpressure	1 overpr	essure		5 035 8 432 3 509	2 806* 898 3 815*
		A-214	4				

STATE OF TEXAS (Continued)

	White brown areas	HICH RISK	MEDIUM RISK	LOW/NO* RISK	ISK
COUNTY	POPULATION AREA	POPULATION AREA	POPULATION AREA	POPULATION	AREA
Dallam				6 796	1 505*
Dallas	1 765 074 880				
Dawson				17 059	203
Deaf Smith				20 205	497
Delta			***************************************	4 944	279*
			. 174 001 911		
TO THE PERSON			1	20 656	910
De Marc				3 090	
Dickens					
Dimmit	12 065 1 307			900	9000
Donley					}
and the same of				13 548	1 795*
Duvan				21 46E	*FC6
Eastland					
Ector	151 738 903				1001
Edwards			***************************************		
Ellis			***************************************	261 69	656
El Paso	538 075 1 014			.00	*000
Erath			***************************************	24 902	
Falls				18 274	
Pannin			***************************************	199 87	
Fayette			***************************************	70 40	
Fisher				5 741	
Flowd					
Postd				1 849	103
Fort Bend	191 398 876				
Franklin				415	294
				17 218	888
Freestone				14 544	1 133*
Prio			· · · · · · · · · · · · · · · · · · ·	14 581	-
Gaines	900		000		
UNIT VESTOR	555 187 077			5 720	895*
Garza		Teas than .5 net overpressure	These than .5 mei overpressure		

COUNTY	VERY BIGH RISK POPULATION A	AREA	HIGH RISK POPULATION	AREA	MEDIUM RISK POPULATION	RISK 4 AREA	Dagod Dagod	LOW/NO* RISK POPULATION	RISK	AREA
Sillespie								15 622	-	
Glasscock Goliad Gonzales	19 081 1 068	1 068			5 897	859		1 251	_	* 006
Gray					. 27 503	3 921				
Grayson	114 058 273	273						95 891	_	934*
Grimes Guadalupe	54 862 713				54 862	2 713		17 968	_	199*
Hale								37 243		1 005
1011								4 963	_	876*
Hamilton		:						8 136		836
Ransford	***************************************				:					921*
Hardeman Hardin	44 075 898	888						6 289	_	688
Harrison Harrison	2 831 639 58 471	1 734								
dartley	***************************************	:						3 633	-	462*
laskell		:				-		7 515		*106
Rays								51 765		678
Hemphill								6 418		\$00
Henderson Hidalgo	350 518 1 569	1 569						52 080	_	888
B111 Forkley	000 1/0				24 000	900		27 335		896
No. o										-
, :	***************************************							019 07		472
dopkins	***************************************							28 369	•	789
100	***************************************							23 6/3	-	. 22
Hudspeth								38 311	4	901
		ť	*Less than .5 psi overpressure	pai overp	ressure					
			*	A-216						

STATE OF TEXAS (Continued)

COUNTY	POPULATION	OPULATION AREA	POPULATION	AREA	POPULATION	AREA	POPULATION	NO	AREA
lunt	65 278	840							
Irion Jack Jackson			13 946 844		13 946	844		1 639	920
Jasper Jeff Davis			32 469 921		32 469	921		1 770	2 258*
Jefferson Jim Rogg Jim Wells	260 403	937	260 403 937				n 04	5 464	1 136*
Johnson								85 375	731
Jones			13 498 753		13 498	753		į	
Kaufman Kendall								13 788	663*
tenedy								485	1 389*
Kent							33	33 638	1 107*
Kimble								4 297	1 250
King								430	• 516
Kinney	34 983	853	34 983 853					2 407	1 359
Knox				-				283	845
amar		:		:		:			
dme			***************************************				4	077	513
ampagag								13 753	714
La Salle								2 960	1 517*
Lavaca				-				18 238	971
997							2:	220	631
reon				:				2	5

COUNTY	VERY HIGH RISK POPULATION AREA	HIGH RISK POPULATION	AREA	POPULATION	AREA	LCM/NO* RISK POPULATION	RISK AREA	5
aberty						55 859	-	174
thestone						21 699		931*
Lipscomb						4 310		933*
Live oak Llano	787 1 02/			12 072	939			
Loving	220 637 900					7.5		*114
Lynn McCulloch McTerran	11-					7 834 8 849	-	888 071*
- 1				6				
Adison	200 701 07			10. 10.		12 236		473*
Martin	F					3 451		914*
a parameter				17 618	1 127			ţ
Haverick	77					36 420	1 287	37
Medina						25 049	-	331
Menard	121 309 902			121 309	902	2 408		902*
M11am				23 556	1 019			
Mills			:	:	:	4 590		748*
Mitchell			:		:	9 286		912*
Montague Montgomery	168 161 1 047			168 161	1 047	18 758		*826
Moore	į					17 728		506
Morris	15.523 256					1 820		*656
Nacogoches						51 584		939*
Navarro			:			39 336	-	•890
		*Less than .5 psi overpressure	i overpr	essure				
		A-5	A-2 18					

STATE OF TEXAS (Continued)

-				Unen	COLORATION	AREA
Newton					13 436	935
Nolan	i	 :		:	18 011	915
Nueces	305 867 847					
Ochiltree	***************************************	 :			11 484	919
01 dham				:	2 436	1 485
Orange	91 432 362					
Palo Pinto					25 755	070
Panola	23 148 812					
Parker					54 135	905
Parmer		i			10 776	885
Pecos					17 658	4 776*
Polk					30 680	1 061*
Potter	108 666 902					
Presidio					5 405	3 857*
Rains					5 979	243
Randall			85 692	917		
Reagan	***************************************	 •		:	5 065	1 173*
Real					2 784	*469
Red River					15 696	1 054*
Reeves	***************************************			:	15 924	2 626*
Refugio					9 225	77.1
Roberts	***************************************				1 062	915
Robertson	16 266 864					
Rockwall Rockwall	***************************************	:		:	20 181	128
Runnels				:	12 504	1 056
Rusk	44 629 932					
Sabine		:		:	9 975	486*
San Augustine		 :		:	8 887	524
San Jacinto San Patricio	64 171 693				14 075	572*

	POPULATION AREA			POPULATION				
San Saba							003	1 136*
Schleicher		***************************************			:	3 3	314	1 309*
Sourry					:	20 589	68	•006
Shackelford					:	4 096	96	915*
Shelby		***************************************				24 0	040	191
Sherman						3 2	235	923
Smith	148 646 932	7						
Somervell			:		:	4	528	188*
Starr					:	33 7	795	1 226*
Stephens						10 8	829	894
Sterling						-	641	923*
Stonewall					:		466	925
Sutton					:	6 6	948	1 455*
Swigher							860	902
Tarrant	1 047 540 868	8						
Taylor	126 136 917	2						
Terrell			:		:		465	2 357
Terry		***************************************			:		475	886*
Chrockmorton					:	2 3	384	912*
Titus	23 389 412	7						
fon Green	98 791 1 515	40						
Travit	518 971 989	6						
Trinity		***************************************			:	11 631	31	692
Tyler			:		:	18 854	54	922
Jpshur					:	33 2	233	587
Doton						5 783	83	1 243
Dyal de						24 016	16	1 564
Val Verde	41 253 3 150	0						
Van Zandt					:	37 028	28	855
Victoria			•		:	75.9	5	887
		*Less than .5 psi overpressure	i overpr	essare				
		7	A-220					

STATE OF TEXAS (Continued)

Mailter Machiner Mallacepe M	ARRA POPULATION AREA	POPULATION	AKSA	POPULATION	4	ARBA
ington ington con con con con con con con con con c				52 221		786*
ington con con its its its its its its its its its its			:	24 262		514*
ington con con cy cy cy cy cy cy cy cy cy cy cy cy cy			:	16 495		836*
oon serrites treer coy coy services cor services			:	25 426		610*
oon a saanson a saanson a saanson a saanson			-	122 888	e	3 363*
eer Litta Litta Cy Cy Conson Con Conson Con Conson Con Conson Con				41 409	-	1 086
itta riger coy annon no er er			:	8 502		905*
irger cy amson on er						
coy anson er er m			:	16 904		*4.74
er anson			:	18 857		289
ca ere				101 812	-	1 137
d 8 5		18 710	807			
S 5			:	11 236		840
	2.0					
				0		000
			-	8 344		•666
Zavala		12 247 1	1 289			

*Less than .5 psi overpressure

TOTAL STATE

SUMMARY RISK RPFECTS DIRECT i IIA REGION FERRA

Estimated 1985 Population: 11,925,241 Land Area: 282,971 square miles

	VERY HIGH RISK	RISK	HIGH RISK		MEDIUM RISK	ISK	LOW/NO* RISK	ISK	
STATE	GT 10 PSI POPULATION	SI AREA	EQ/GT SPSI LT 10PSI POPULATION AREA	10PSI AREA	BQ/GT 2PSI LT 5PSI POPULATION AREA	LT SPSI AREA	EQ/GT . SPSI LT 2PSI POPULATION AREA	LT 2PSI AREA	
Iowa	960 992	5 919	ı	1	88 306	953	312		
Kansas	1 241 903	14 109	311 640	2 946	74 253	3 488	(1 545 033	41 376)* 61 249	
							(363 362	17 582) 43 667)*	
Missouri	3 023 895	14 553	56 232	1 140	340 392	3 831	1 548 038 (298 582 (1 249 456	49 052 10 821) 38 231)*	
Nebraska	420 964	7 770	11 353	2 158	448 230	2 078	734 264 (79 485 (654 779	64 633 5 168) 59 465)*	
TOTAL REGION VII	5 647 754	42 351	379 225	6 244	951 181	10 350	4 967 080 (1 054 037 (3 913 043	224 026 41 287) 182 739)*	

*Less than .5 psi overpressure

RISK SFEECTS TOWA -- DIRECT 9 STATE

Estimated 1985 Population: 2,906,939 Land Area: 55,964 square miles

	VRRY HIGH RISK	HIGH RISK		MEDIUM RISK		LOW/NO* RISK	XSI	
COUNTY	GT 10 PSI POPULATION AREA	EQ/GT SPSI LT POPULATION	10PSI AREA	BQ/GT 2PSI LT 5PSI POPULATION AREA		EQ/GT . SPSI LT 2PSI POPULATION AREA	LT 2PS	SI
Adair					:	9 171	35	1 69
Adams					:	5 535		*s
Allamakee			:		;	15 188		633*
Appanoose					:	14 710		4864
Audubon					:	8 169		444*
Benton					;	22 898		6
Black Hawk					:	136 865		573*
Boone			:		:	25 946		573*
Brener					:	24 669		438*
Buchanan			•		;	22 900		572*
Buena Vista					:	21 016	57	'n
Rutler					:		58	*
Calhoun					:	12 866	57	<u>*</u>
Carroll					:	22 915	57	\$20.
Cass					:	17 077	26	265*
Cedar					:	18 790	58	582*
Cerro Gordo						48 580		*699
Cherokee						15 621		577*
Chickson						15 018		505
Clarke						8 787		•
Clay					:	19 165	95	*699
Clayton					;	21 245	t.	778
Cilnton	25 277 632					10 440		71.4
Crawrord					:	20 750		
DALLAS					:	20.00	3	

	VERY HIGH RISK	RISK	HIGH RISK	ISK	MEDIUM RISK	U.SK	LOW/NO* RISK	RISI	
COUNTY	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA	POPULATION	×	AREA
and a							9 27	يو	504*
Decatur							9 232	22	535*
el aware							19 169	66	578*
Des Moines	44 964	414			44.964 414		15 71	710	381*
							20	000	*4.09
Dubuque					· · · · · · · · · · · · · · · · · · ·		: :	000	30.4
Sime t								2 5	
Payette								000	200
Floyd							8 5	521	583
Franklin									3
Fremont								238	515
Greene				:		:	Ξ	g	\$71
armuda				:			13	743	501
Surbrie				:			Ξ	202	\$90
Hamilton							1	290	576*
fancout							13	559	571*
Hardin							21	564	\$695
Zavelann							5	22	869
lonni							48	755	436
loward			:				9	7.	473*
Sumboldt							Ξ	72	437*
Total							60	852	435
Iowa							5	135	587
Jackson	22 405	638						;	
Jasper					***************************************		36	620	13.
Tefferen							9	445	440*
Tohnson							85	664	614
Toner							50	530	576*
Kookuk							12	511	580*
Kossuth		ľ	Less than .5 psi overpressure	psi overp	*Less than .5 ps1 overpressure		2	303	974*
				,					
				277-0					

STATE OF IOWA (Continued)

Louise Louise Liconise Lyon Madison Madison					-		
a co	42 782	522					
	169 437	724					
E 5	:	:				12 205	402
	:	:		1		127	432*
						155	288
						297	563
		:	 		***************************************	124	571*
	:	:			***************************************	30 300	\$60*
Carshall						544	573*
Kills	13 842	439					
(itchell						1 817	469*
euouou		:	:		***************************************	292	697
		:				8 779	434
font-domery		:			***************************************	3 273	424*
						285	442
) Brien						16 817	572*
Osceola		:	 		***************************************	8 173	398*
Page	:	:			***************************************	18 930	535
Palo Alto	:	:			***************************************	12 148	562*
Plymouth						24 479	864
Pocahontas						10 841	\$77
Polk	313 620	582					
Pottawattamie	:	:	 1	88 306	06 953		
Poweshiek	:	:				18 716	585*
*** ploggald					***************************************	5 797	536*
Sac						13 394	576*
Scott	161 427	459					
Shelby		:			***************************************	1 675	£169
						31 399	169*
		:				3 036	574*

COUNTY	VERY HIGH RISK POPULATION A	RISK	HIGH RISK POPULATION	K AREA	MEDIUM RISK POPULATION A	AREA	LOW/NO* RISK POPULATION	SK AREA
Para							18 964	722*
Taylor							8 297	537*
Thirting						:	13 855	426*
Van Buren				:		:	8 281	484
Wapello						i	39 386	434
Warren	35 956	573						
Washington						:	20 041	570
Navne						:	7 837	527*
Sehater						:	43 236	718*
Winnebago						:	12 850	401*
Winneshiek							22 264	•069
Woodbury	101 027	873						

*Less than .5 psi overpressure

7 716)

1 857 641 (312 608 (1 545 033 8 906 15 861

953

88 306

١

5 919

960 992

TOTAL STATE

Wright Worth

578*

401*

SUMBARY RISK EFFECTS DIRECT KANSAS 9 0 STATE

Estimated 1985 Population: 2,454,933 Land Area: 81,792 square miles

lllen Inderson Archison Sarber		POPULATION	AREA	POPULATION AREA	AREA	POPULATION	ARBA
nderson tchison arber		16 160	505				
tchison arber arton			:		:	8 867	583
arber	***************************************				:	17 964	431
Sarton			:			7 351	1 136*
	***************************************					33 523	895
Bourbon	•					15 817	638*
Srown	11 663 571						
Sutler	47 629 1 443						
Chase			:		:	3 324	+777
ındna			-		:	4 937	644*
Cherokee						22 307	590
Cheyenne	***************************************				:	3 687	1 021*
Clark						2 726	*946
Clay	***************************************		:			9 546	632
Cloud			i			12 024	718
Coffey						10 139	615*
Comanche			:			2 592	190*
Cowley	37 379 1 128					38 049	595
					:	4 658	894*
Dickinson	888. 500 6	9 005	388			19 972	852
						70 265	461
Edwards						4 107	620*
SIX			:			3 635	650 *

1,11 1,12	COUNTY	POPULATION A	REA	POPULATION	AREA	POPULATION	AREA	POPULATION	£	AREA
1									90	*006
1 1 1 1 1 1 1 1 1 1	T. T. T. T. T.								162	717
1	Trong of								41	1 302*
1977 1989 1999	Luney								36	1 099*
29 29 27 779 789 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	ranklin								137	517
1989 1989	nazy	29 329	377					•		
1 1 1 1 1 1 1 1 1 1	946		:				:	,	9 :	7/0
1977 778 5 778 7 788 7	caham		:		1		:	4	92	868
1977 779 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	ant				:			•	282	575
1 177 778 8 732 8	iay.							n	2	808
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	veslev			1 917	87.4					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rearmond				:		:		132	1 135*
1 146 1	ami Jaon						:	7	66	966
1 144 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	WILL LEGIT						:		767	802*
1 1002 1	arvey								144	541
2 2025 2								9	376	578*
11 602 12 609 13 609 14 159 15 609	TOXOL							7	265	860
th 56 972 556 4 396 478 5 6 97	odgeman							=	202	6.58
1 25 640 653 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	ackson					16 072	236			
25 699 653 2 590 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	errerson							٩	306	916
25 699 653 2 900 2 9 141 2 9 1	TTONO									
2 56 69 653 4 0 1	opungo			302 948	478					090
25 690 653 2 901 4 011 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	earny		:							9 9
25 699 653 2 500 2 100 2 2 2 2 500 2 2 2 2 2 2 500 2 2 2 2 2 2 500 2 2 2 2 2 2 500 2 2 2 2 2 2 500 2 2 2 2 2 2 2 500 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 nomen		:		:				4	999
15 690 653 2 900	Town				:			4	-	723
18 19 19 19 19 19 19 19	abette	25 690	653							
1771 1771	ane								980	717
10 8 342 8 42 9 44 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	eaverworth	666 85	463						1.1	720
1 854 Table organization 2 (5 mat) 886! 168	incoln		:	:	į					
1 429 than 15 pel owerpressure	inn.		•		1				745	. 000
3-230	ogan		P	988 than .5	ost overp	ressure		,	90	-
				•	-2.30					

STATE OF KANSAS (Continued)

COUNTY	VERY HIGH RISK POPULATION AREA	HIGH RISK POPULATION	AREA	MEDIUM RISK POPULATION	ISK AREA	LOW/NO* RISK POPULATION	RISK AREA
Lyon	27 785 9nn					38 382	844*
Marion	i					13 316	*776
Marshall	***************************************		:		:	13 157	_
reade	***************************************					4 652	
Mani						22 370	290
Mitchell	***************************************					7 879	
Montgomery	42 372 646						
Morris	***************************************				:	6 294	693
Morton	***************************************					3 551	
Yenaha						11 148	710
Neosho	19 665 576					-	
Ness							1 075*
Norton	***************************************					6 530	
Osage				16 345	695		
Osborne						5 677	882*
Ottawa	***************************************					5 823	
Parmee	7 775 000					8 369	755*
Pottawatonie							
Pratt						11 256	735*
Rawlins							
Reno	64 889 1 259					2 220	- 000
Republic						7 034	719*
Rice			i			11 669	
Riley	63 181 593						
Rooks						6 958	888
Rush							718*
Russell	50 557 721					9 344	*698
	·	*Less than .5 psi overpressure	1 overpr	essure			
			;				

	VERY HIGH RISK	RISK	HIGH RISK	J	MEDIUM RISK	SK	LOW/NO* RISK		
COUNTY	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA	POPULATION	~	AREA
Scott							\$ 905		717*
Sedgwick	385 098	1 007							
Seward	18 408	640							
Shawnee	160 006	549							-
Sheridan							3 435		*96B
Sherman							7 425	-	057*
Sm(+)						:	5 576		*468
Chafford						:			788*
Stanton				:		:			681*
Stevens						:	4		727
					. 25 457 1 184	1 184			
- Common							9 160	-	1 075
Tredo									890
Wabaunsee			6 775	797					
Wallace							2 075		914
Washington							7 890		*868
Wichita	2 684	719				1			
Wilson		:		:	•	575			
Woodson		:		:	4 657	498			
Wandotte	172 339	149							

*Less than .5 psi overpressure

172 339 149

Wyandotte TOTAL STATE

758* 564 507

123

139

19

641

8 099

107 479

Bollinger

enton

arton oone 86 001

uchanan aldwell Callaway

utler

702 471

55 154

Cape Girardeau

Canden Carter 12 412

Cedar

Christian Charitton

Clark

RISK EPFECTS DIRECT MISSOURI 40 STATE

COUNTY	ESCT. VERY HIGH RISK GT 10 PSI POPULATION AREA	Estimated Land 7 Land 7 RISK SI EQ/	Secimented (1999) Sequitation: 4,969,558 Land Avea: 66,376 square miles MIGHERER MEDITA (1998) SQUET 2083 REA POPULATION AREA POPULATION	6 square 10psi AREA	4,968,558 miles medium kisk bg/cr 2psi l.r 5psi Population arra	Z SPSI AREA	LOW/NO* RISK BQ/GT . SPSI IT 2PSI POPULATION AREA	T 2PSI
							25 447	567*
Adair						:		567

542 *469 773 521* *869 431* 577* \$695

Atchison

Audrain

Barry

11 620 10 414 38 514 23 226

Content Cont	ALMINOO	VERY HIGH RISK POPULATION A	AREA	HIGH RISK POPULATION	AREA	POPULATION	AREA	LOW/NO* RISK POPULATION	AREA
14 1920 566 1 1 1920 1 1	ole	61 687	392						
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	poper	14 592	266						
14 15 82 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	rawford		:		:		:	19	744
74.756 222 3.757 2.756 2.757 2	s de				:		:	7	491
1 1 1 1 1 1 1 1 1 1	allas	:						12	543*
74 755 762 15 764 779 19 75 75 75 75 75 75 75 75 75 75 75 75 75	aviess							80	568
14 534 1	Kalb				:			60	425
74 755 923 347 347 7 2 668 74 75 92	int				:			7	755
14 155 627 19 677 10 677 10 677 10 677 10 677 10 677 10 677 10 677 10 677 10	ouglas inklin			35 924	547			12	814*
19 322 729 19 919 19 919 19 919 19 919 19 919 19	rank11n	74 755	92.2						
1989 1989	asconade				:			13	521*
19 882 728 9 898 11 822 12 822 13 82	entry								463
11 1542 19 19 19 19 19 19 19 19 19 19 19 19 19 1	eene								678
19 952 72 9 99 19 952 72 9 73 9 99 19 72 464 379 661 64 520 67 11 542 11 542 64 520 67 11 542 11 542 18 24 67 19 99 19 99 20 75 24 19 77 10 75 30 15 63 25 10 75 4 50 10 15 10 15 10 15 4 50 10 15 10 15 10 15 4 50 10 15 10 15 10 15 4 50 10 15 10 15 10 15 4 50 10 15 10 15 10 15 4 50 10 15 10 15 10 15 4 50 10 15 10 15 10 15 5 6 10 15 10 15 10 15 6 7 10 15 10 15 10 15 7 7 10 15 10 15 10 15 8 8 9 15 10 15 10 15 10 15	rundy								437*
19 522 772 7044 379 6 69 69 69 69 69 69 69 69 69 69 69 69	rrison							•	725
7 044 379 6 66 64 250 611 1942 64 250 611 1942 19 24 104 19 25 611 19 24 104 19 25 611 19 25	, and	19 582	720						
1 25 25 25 25 25 25 25	ckory						379		
24 464 C44 509 611 11 42 C45 509 611 11 42 11 42 11 42 11 43 11	ļt,							9	456
19 64 64 550 611 18 44 18 54 834 19 552 19 15 675 10 15 675 10 15 675 10 15 675 10 15 675 10 15 675 10 15 675 10 15 675	Dank				:	9 972	464		
11 452 1	pwell				:				927
554 550 651 659 889 38 244 854 30 315 622 30 315 622 30 315 632 30 312 30 312 30 313 30 313	ron				:		:	=	5524
38 244 634 651 89 889 889 889 889 889 889 889 889 889	ackson	634 530	611						
39 244 B34 B34 B3 G81 B3	asper							89	641*
30 315 632 26 106 30 315 632 26 106 Takes than 5 364 conspressions 30 332 A-244 A-244 A-244			i				3		
10.15	noeun.	Mr7 oc	60						
30 315 632 50 100 100 100 100 100 100 100 100 100								•	000
"Less than .5 pd. overpressure 30 322 A-234	Payette	30 315	632					9	90/
A-234	wrence		F	ess than .5 p	si overp	essure			614*
				ż	234				

STATE OF MISSOURI (Continued)

Comparison Com		į					DON'T AT	TOTAL	* DO Y
4 4 451 550 644 1 1 15 1 15 1 15 1 15 1 15 1 15 1 1	COUNTY			AREA	POPULATION	AREA	- Cross	5	VIV.
1 1 1 1 1 1 1 1 1 1	- miles						=		508
4 4 451 500 500 500 500 500 500 500 500 500 5	u tonni						24		627
1 1 1 1 1 1 1 1 1 1	Alleconii.						16	543	620
1 2 2 4 155 27 2 4 155	Tun						. 4	3	517
1 1 1 1 1 1 1 1 1 1	tVingston cDonald						5.50	830	541
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9000						1	010	*797
197	ad foon						Ξ	800	497
15 540 594 15 17 15 18 18 18 18 18 18 18 18 18 18 18 18 18	aries					:	7	968	528
10 10 10 10 10 10 10 10 10 10 10 10 10 1	arton			•		:	53	304	438
15 266 417 9 9 99 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ercer						4	297	454
15 540 104 104 104 104 104 104 104 104 104 1	iller		. 20 308	593				220	.01
15 506 477 9 999	regreerest							2	•
1 1 1 1 1 1 1 1 1 1	oniteau	12 906 417						;	
15 5 5 5 5 5 5 4 1 1 1 1 1 1 1 1 1 1 1 1	lonzoe					:	7	6	0/0
61 5 540 594 22 35 34 35 37 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	lontgomery						Ξ	266	240
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	lorgan								
7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	lew Madrid					:	22	345	658
00 00 00 00 00 00 00 00 00 00 00 00 00	levton					:		970	627
28 155 257 17 125 286 17 125 289 18 18 18 18 18 18 18 18 18 18 18 18 18	lodaway					1		573	875
00. 24 455 557 7 17 128 259 25 549 14 651 559 259 259 549 14 44 651 559 259 259 549 15 259 259 259 259 259 259 259 259 259 25)regon							036	792
1 12 12 15 17 1 12 1 12 1 12 1 12 1 12 1	Sage							200	909
25 726 646 77 77 75 75 77 77 75 75 75 75 75 75 75)zark					:	80	828	731
13 77 86 866 17 13 13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	Peniscot								
35.725 686 3 9 80 21 16.931 4 64 651 550 530 550 536	erry			i				125	473
15 514 1 40 863 421 20 20 20 636 11 44 051 550	Pettis								
40 863 421 16 953 ct 44 051 550	helps							514	674
20 220 421 50 20 220 44 051 550	tke					1		953	673
ki 44 051 550	Platte								
44 051	201k			:		636			
	Pulaski								

							POPULATION		1
Putnam							5 858	92	520*
Salls		:					9 076	٠.	189
Randolph				:			26 165	ņ	
Ray					9/8/7	900	7 162	22	*808
Reynolds									
Ripley				:			12 767	67	632*
St Charles	166 248	558							
St Clair	8 667	869					4	230	50.4
Ste Genevieve		:					2 5	2 5	451
St Francois							2		
St Louis	990 381	505							
Saline	25 067	755					4	101	308
Schuyler		:						27R	430
Scotland		:					4	428	423
Scott									
							80	960	1 004
snannon							7	652	501
Shelby							28	536	818
Stoddard							1	337	451*
Stone							7	134	651*
TTTARU							2	:	9
Faney							3 5	- 4	108
Pexas		:					4	2	837
Vernon		:					1	200	429
Jarren		:					9	199	762
Washington		•	Less than .5 psi overpressure	st over	*Less than .5 psi overpressure		!		

STATE OF MISSOURI (Continued)

COUNTY	VERY HIGH RISK POPULATION A	RISK	HIGH RISK POPULATION	AREA	MEDIUM RISK POPULATION AR	AREA	LOW/NO* RISK POPULATION	AREA
Wayne							11 804	763*
Morth				•		:	2 968	266*
Wright St Louis (City)	423 409	29			423 409 61		16 431	682*
TOTAL STATE	3 023 895 14 553	14 553	56 232	1 140	340 393 3 831	E E	1 548 038 (298 582 (1 299 456	49 052 10 821) 38 231)*

*Less than .5 psi overpressure

RISK EFFECTS REBRASKA - - DIRECT 0 F STATE

Estimated 1985 Population: 1,614,811 Land Area: 76,639 square miles

COUNTY	VERY HIGH RISK GT 10 PSI POPULATION AREA	HIGH RISK BQ/GT SPSI LT POPULATION	10PSI AREA	MEDIUM RISK RQ/GT 2PSI LT 5PSI POPULATION AREA	LOW/NO* RISK EQ/GT .5PSI LT 2PSI POPULATION AREA	TENT TO THE TENT T	2PSI AREA
1					31 141	-	264
undiana.					8 726	۵	859
retur					475		710
Banner	1 084 747						-
Slaine					775		
Joons					7 343		\$87
Scone Scone					-	-	077
NA Buche							532*
Boyd						-	214
Suffalo					38 764		946.
					8 741	•	486
ant low						-,	584
Case						-	557
Case							740*
Chase			:		4 924	-	863×
,					6 867	M.	*196
Cherry						-	196
Cheyenne					7 815		574
CLay							410
Cuming					Ξ		\$75*
Suster					13 677		2 571*
Dakota	17 369 258				9 362		1 397*
Dawe a							482
Denel				2 358 437	9		į
		*Less than .5 ps1 overpressure	1 overpr	ressure			

9 23 54 28 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	COUNTY	VERY HIGH RISK POPULATION AREA	HIGH RISK POPULATION AREA	MEDIUM RISK POPULATION A	AREA	LOW/NO* RISK POPULATION	AREA
1 1 1 1 1 1 1 1 1 1	xon					6 864	474*
20 316 537 5 1 600 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	odge			413 626	333	35 764	534*
1 272	mdv				:	2 894	920
9 4 25 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	llmore				i	7 732	576*
90 376 537 1680 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	anklin				:		576*
2 2 25 52 52 52 52 52 52 52 52 52 52 52	contier				:		•926
2 7755 7 600 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	rnas				:		721
9 375 57 90 90 90 90 90 90 90 90 90 90 90 90 90	ige irden		2 725 1 680		:		828
9 376 577 9 378 9 379 9 325 542 9 329 9 32	rf in d					2 422	570
29 276 577 9 272 542 678 678 678 678 678 678 678 678 678 678	Sper				:		461
99 99 120 120 120 120 120 120 120 120 120 120	tue.				:	878	775
19 7% 517 542 688 689 689 689 689 689 689 689 689 689	an lan					3 320	570
000 000 000 000 000 000 000 000 000 00	=						
1 28 28 28 28 28 28 28	milton				542		
1 1 1 1 1 1 1 1 1 1	rlan				:	4 288	555
Control of the contro	1768				:	1 316	714
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	tchcock				:	3 965	109
1024 6 707 9 255 9 255 9 255 9 255 9 255 1 27 4 967 9 369 1 20 1 20 205 512 639 4 450 750 1 11 196 1 12 11 196 1 1	olt.					14 004	2 406*
0.077 9.535 9.	ooker				:		720
9 535 9 55 6 69 7 6 705 7 6 705 7 6 705 7 6 705 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	ward				:		564
203 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	fferson				:		575
6900 6900 6900 6900 6900 6900 6900 6900	nosuuc				:	5 057	376
4 667 552 1237 11 98 1	arney						519
4 967 952 1237 1 1 198 1 20 5 512 839 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ith				:	9 138	1 039
4 967 952 205 512 839 "Lese than .5 pet overpressure 	aya Paha						¥694
205 512 639 state than 5 pai overpressure	imball						
205 512 839	you				:	11 198	1 105
*Less than .5 pet overpressure	ncaster						
n-240		•	Less than .5 psi over	pressure			
			8-240				

STATE OF NEBRASKA (Continued)

1100 6 025 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		NOT THE PARTY OF	AKER
on Jake son son un se son un se son un un se son un un se son un un se son un se son un se son un se son un se		34	2 525*
acon se on s		696	571*
on Pilet Bluff		897	574*
a a low a so a low a so a low		. 561	*658
in plutt		32 468	575*
is Illow deon Blutte Blutte			
is services to the services to			
is denn se de la contra		4	439
is a line deon deon si s luff		œ	408
ans		6 792	576*
nns e e e e e e e e e e e e e e e e e e e		15	615*
s daon llow daon rs Bluff		3 695	435*
dson dson rs Bluff an n		e	885*
dson dson rs Bluff an		9	540*
dson dson rrs Bluff an		60	575
daon daon rrs Bluff Bluff			
llow dson dson is suff is butf		53	•699
daon daon rr rr Bluff		'n	437
dson rs Bluff Bluff		12	718
rs Bluff Bluff Man		2	553
rrs Bluff I stan		2 456	1 003
rs Bluff Man		13 066	576
		:	
		18 5/4	.00
	15 820 575		
		7	2 453*
		3 972	564
1 738 2 069			
Stanton			431*
		7 463	575

	VERY RIGH RISK	KISK	HIGH RISK	×	MEDIUM KLSK	SK	DOW/NO. KISK	25
COUNTY	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA
Microsoft							965	714*
Thurston					7 194	391		
Valley			***************************************	:			5 871	\$67*
Washington				:		:	. 15 464	386*
Wayne							9 801	443*
Webster							4 787	575*
Wheeler							1 101	575*
York							. 15 046	576*

*Less than .5 ps1 overpressure

448 230

2 158

11 353

TOTAL STATE

*Less than .5 psi overpressure

	1000		and note	MEDITIM RESK	LOW/NO* RISK	ISK
	VERY BIGH KI	dek	ISAU L'I ISAU L'INTERIORE	BO/GT 2PSI LT 5PSI	E.	LT 2PSI
STATE	POPULATION	AREA	POPULATION AREA	POPULATION AREA		AREA
	700 001 0	27 244	A20 758 768	11 157 5	559 688 649	81 081
Colorado	*CC 671 7	***			(174 065	19 414)
					(514 044	61 677)*
	410 000	47 039		30 641 13 978	382	83 448
Montana	44.5				(83 619	20 524)
					(298 613	69 924)*
	010 101	33 000	11 496 3 744	4 752 1 036	199	30 674
North Dakota	710 198	22 930			(65 257	5 394)
					(134 259	25 280)*
	200	201 00	2 403 1 969	-	416 028	53 205
South Dakota	707 067	70 / 07			(47 051	10 623)
					(368 977	42 582)*
	. 100	17 300	20 849 4 479	71 167 5 069		55 158
Utah	705 /57 7	11 300			_	9 366)
					(178 723	
	21.2 177	51 368	6 058 2 856	5 572 4 871		37 991
wyoming	24				(30 328	4 286)
					(166 435	33 705)*
			ı			243 667
TITU NOTHER DESTRUCTION	4 772 181	192 611	469 653 13 816	123 289 25 513		100
TOTAL STREET,						
					(1 261 591	271 950)*

Estimated 1985 Population: 7,709,731 Land Area: 573,497 square miles

SUMMARY RISK VIII -- DIRECT EFFECTS REGION FENA

RISK SFECTS DIRECTS COLORADO 9 P STATE

Estimated 1985 Population: 3,250,118 Land Area: 103,652 square miles

COUNTY	VERY HIGH RISK GT 10 PSI POPULATION AREA	HIGH RISK BQ/GT SPSI LT 10PSI POPULATION AREA	10PSI AREA	MEDIUM RISK RQ/GT 2PSI LF 5PSI POPULATION AREA	SPSI	LOW/NO* RISK PQ/GT .5PSI LT 2PSI POPULATION AREA	RISK SI LT	ZPSI
Adans	277 973 1 235					12 588		719*
Arapahoe Archuleta Baca	378 836 800					5 798 5 133		1 353*
Bent novil der	213 665 742					5 913		1 008
Chaffee Cheyenne Clear Creek						12 793 2 475 7 283		783* 397*
Conejos Costilla Crowley Custer Delta						9 148 3 282 1 952 24 615	84668	285* 227* 790* 740*
Denver Dolores Douglas Eagle Elbert	507 548 111					1 792 35 853 17 085 8 500		841* 1 690* 1 851
El Paso Fremont Garfield Gilpin Grand	150 Nt 2 120	Less than .5 psi overpressure	overpre	BUTE		31 488 28 651 2 822 9 077		1 538 2 952 149 1 854*

COUNTY	VERY HIGH RISK POPULATION AREA	HIGH RISK POPULATION	AREA	MEDIUM RISK POPULATION	K AREA	LOM/NO* RISK POPULATION	N KIS	AREA	5
Sunnison						10 45	1.7	2 2	238
linsdele						S	531	Ξ	115
duerfano	***************************************		:			7 16	187	1 56	583*
Jackson			:		:	1 73	732	9	615
Jefferson		420 750	1 615						
Klowa			:			. 8	44	7.	758*
Kit Carson			:			7 96	960	2 16	160*
Lake			:		:	6 76	762	'n	379
La Plata			1		-	31 744	4	1 69	692
Lariner	***************************************					169 855	10	2 60	604
Cas Animas						14 778	92	4 771*	7
throoth			:		:	4 54	547	2 56	586*
Logan	19 921 1 819								
Мола	98 752 3 309								
Mineral						8	808	66	87.7
foffat	15 593 4 732								
Montezuna			:		:			2 06	983
fontrose			-		:	26 40		2 240*	9
Morgan			:				440	1 2	276
Otero							191	7 24	247
Suray			:			2 24	241	ň	542*
Park			:		:	7 20	201	2 15	192*
Phillips			:			4 6	653	õ	888
Pitkin						10 3	356	6	*896
Prowers	***************************************					14 49	492	. 6	629
Pueblo	124 546 2 377								
Rio Blanco			1		1	8	960	23	222
Rio Grande			:		:	11 46	468	6	913*
Routt			:		:	13 95	951	2 2	267
Saguache	*Less than .5 psi overpressure	*Less than .5 psi overpressure	overpre	ssure		4	14		176*
		3-246	9						

STATE OF COLORADO (Continued)

COUNTY	VERY HIGH RISK POPULATION ARBA	RISK	POPULATION	AREA	MEDIUM RISK POPULATION	AREA	TOGO TOG	LOW/NO* RISK POPULATION	RISK	AREA
San Juan								1 085		388
San Miguel						:		3 006		287
Sedowick				:				3 187	_	540
Summit			11 157 559		11 157	559		11 192		607
Washington	or	22 270	A 27 C. C.					5 548 2 520	.4	520
Yuma			066 6 61/ 551					9 991 2 365		365
TOTAL STATE	2 129 554 21 244	21 244	420 758	768	11 157	559	9	688 649		180 18
							-	174 605	5 19	414)
							5	4 044	19	677

*Less than .5 psi overpressure

RISK RPFECTS MONTANA -- DIRECT 0 STATE

Estimated 1985 Population: 832,872 Land Area: 145,365 Square miles

COUNTY	VERY HIGH RISK GT 10 PSI POPULATION AREA	 HIGH RISK EQ/GT SPSI LT POPULATION	10PSI AREA	NEDIUM RISK RQ/GT 2PSI LT POPULATION	LT SPSI		LOW/NOT KLSK EQ/GT . SPSI LT 2PSI POPULATION AREA	FION	4 5	2PSI AREA
Beaverhead Big Horn Blaine	7 056 4 259						e E	8 849 11 639	N 48	5 529*
Broadwater Carbon	8 734 2 056			8 734	2 056	: ,,,	m	3 459	-	188
Carter	82 077 2 699			1 751	3 342	8				
Custer Custer Daniels	- 3 3						2 2	13 535 2 758	e -	427*
Dawson							5 5	12 939	~	2 347*
Deer Lodge Fallon Ferms	12 RRD 4 340						- m	3 767	-	623
Flathead						:	54	54 349	ın	5 112*
Gallatin Garfield Glacier	11 450 2 995						8 -	1 704	W 4	4 491*
Granite	:				-	:	7	2 841	-	1 729*
Hill Jefferson				8 286	1 656	:.	\$	18 678	7	2 897*
Judith Basin Lake Lewis and Clark	46 434 3 461					i	20	20 728	-	1 493

		WINE	POPULATION		ANGA	POPULATION	AKSA		NOTAMINA		N. C.
Liberty	2 597	1 427									
Lincoln		:	:	:	:		:	:	18 885		3 616
McCone			:	•	:	***************************************		:	2 703		2 626
Madison		:		:	:		:	:	5 933		3 590*
Meagher				1				;	2 24	-	392
Mineral								:	3 694	4	1 216*
Missoula	76 535	2 582									
Musselshell				•	:		:	:	4 373		1 871
Park				:	:		:	:	13 373		2 665
Petroleum				i				:	676	9	1 652
Phillips				i		5 756	5 131				
Pondera	7 155	1 632									
Powder River				:		***************************************	:	:	2 471	_	3 288*
Powell				:	:		:	:	6 849	σ	329
Prairie				i	-			:	1 873	m	1 732*
Ravalli								:	25 404		2 384
Richland				:			:	:	14 890		2 081*
Roosevelt	11 848	2 357									
Rosebud		:		:	:		:	:	13 959		5 019*
Sanders				i		***************************************		:	9 326	6	2 749*
Sheridan	6 072	1 681									
Silver Bow		:		•	:		:	:	34 471	-	719
Stillwater		:		:	:	. 6 114	1 793				
Sweetgrass		:		:	:		:	:	3 321	-	1 856
Teton	6 424	2 275									
Toole	5 784	1 931									
Treasure	:	:	:	:	:	***************************************	:	:	1 019	6	975
Valley	9166	4 936									
Wheatland	2 291	1 419									
Wi hame									•	,	*

STATE OF MONTANA (Continued)

AREA		83 448 20 524) 62 924)*
ISK		523
LOW/NO* RISK POPULATION		382 232 83 619 298 613
LOW/ OPULA		382 83 298
Α.		
AREA		978
×		57
MEDIUM RISK POPULATION		30 641 13 978
ARGA		ı
POPULATION		ı
AREA	121 398 2 624 66 245	419 999 47 939
VERY HIGH RISK POPULATION AS	398	666
VERY HIGH POPULATION	121	419
POE POE	fellowstone fellowstone National	
*	tone	TATE
COUNTY	Yellowstone Yellowstone	TOTAL STATE
4	X o X	l B

*Less than .5 psi overpressure

RISK RFFECTS NORTH DAKOTA -- DIRECT STATE OF

Estimated 1985 Population: 697,576 Land Area: 69,344 square miles

			mile seems colors admire acres	-				
	VERY HIGH RISK		HIGH RISK		MEDIUM RISK	LOW/NO* RISK	ISK	
	GT 10 PSI		BQ/GT SPSI LT 10PSI	10PSI	EQ/GT 2PSI LT 5PSI	BQ/GT . SPSI LT 2PSI	5	ISG
COUNTY	POPULATION AS	AREA	POPULATION	AREA	POPULATION AREA	POPULATION	2	AREA
dams						3 494		886
arnes	13 666 14	498						
lengon	8 099 1 4	1 412						
illings		:				1 332		1 152*
ottineau	9 120 1 668	999						
Ownan						4 334 1 162*	-	*29
burke		118						
urleigh		1 618						
488	97 117 17	167						
avalier	7 029 1	202						
tckey						6 876		1 139*
tvide	3 200 1 288	288						
umn		:				5 380	-	1 993*
'ddy	3 230 6	634						
amone		1				5 692	÷	1 499*
Oster						4 564	-	640
Solden Valley		:		:		2 688	-	1 003*
trand Forks	69 331 1 440	440						
rant		:		:		4 147	÷	1 660*
triggs	3 631	780						
fettinger	3 954 1 133	133						
1dder		:		:		e	-	362*
a Moure		:		:		ø	-	150
rodan		1				3 203	-	*000
follenry	7 432 1 887							
		Į.	Less than .5 psi overpressure	overpres	ssure			

COUNTY	POPULATION A	REA	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA
McIntosh							4 406	984*
McKenzie	13 042 2 065	2 065	8 830	2 754				
Mercer		:		:	***************************************		16 279	1 044
Morton	27 044 1	1 920						
Mountrail	8 188 1	1 837						
Meleon	4 946	166						1
Oliver							2 724	123
Pembina	671 01	071			10 12 1 120		866 \$	1 037*
Amany	13 031	1 241						
Anson		:		:		:	6 452	1982
Renville	3 555	874					050 06	4 4364
Richland		:					000	
Rolette		:					13 300	2
Sargent						:	5 186	858*
Sheridan		:	2 606	990			9 763	
Stoux			:					210
Slope							- 6	
Stark					***************************************		9	- 226
Steele	2 896	714					:	
Stuteman				:	i		45 54	7
Towner					4 752	1 036	900	190
Traill				:	***************************************			0
Walsh	15 579	1 290						
Ward	65 495	2 041						******
Wells		:					6 /93	207
Williams	28 270	2 047						

1 036

4 752

11 496 3 744
*Less than .5 psi overpressure
A-254

TOTAL STATE

	Batin Ta	Estimated 1985 Population: Land Area: 75,956 squar	Population: 708,7; 75,956 square miles	708,728 miles					
	VERY HIGH RISK	HIGH KISK		MEDIUM RISK		LOW/NO* RISK	y RI	SK	
	GT 10 PSI	64	10PSI	BQ/GT 2PSI LT 5PSI	SPSI	BQ/GT .5PSI LT 2PSI	ISdS	5	186
COUNTY	POPULATION AREA	POPULATION	AREA	POPULATION	AREA	POPULATION	NO	Z	AREA
Aurora						-	435		*207
Beadle			:		:	18 136	136		259*
Bennett			:		-		3 313	-	181*
Bon Homne			:		:	7	7 814		552*
Brookings						25 165	165		*66
Brown						36 712	712	-	722*
Brule			:			S	2 408		815*
Buffalo			:		:	-	685	•	416*
Butte	8 125 2 251								
Campbell						71	2 274		732*
Charles Mix			:			6	9 719	÷	*060
Clark	***************************************		į		:	*	4 950	-	953*
Clav			:			13 647	647		408*
Codington						22 368	368		695
Corson			-			ıc	243	N	467*
Custer						v	6 795	-	559
Davison	***************************************				:	17	908	Ī	436*
Day			:			7	7 893	-	022*
Denel			:		:	2	203		631*
Dewey						S	487	2	310*
Donalas						е	3 894		434*
Edmunds			:				4 933	-	149*
Fall River			:		:		7 820	-	740*
Faulk			:		1		3 312	-	003*
Grant						6	282		* 189
	•	ress ruan .o psi overpressure	overpre	BRATE					

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	COUNTY	VERY HIGH RISK POPULATION A	AREA	HIGH RISK POPULATION	AREA	MEDIUM RISK POPULATION	AREA	LOW/NO* RISK POPULATION	risk K	AREA
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Gregory							5 871	-	*1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Haakon	2 965	1 822							*4.54
1 (4 (20) 737 1970	Hem) in		:					100	•	13.74
14 800 737 9 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Hand							1 200		****
1 4 600 757 1 100 2 10 10 10 10 10 10 10 10 10 10 10 10 10	Hanson		:							3
14 800 737 9 944 975 9 944 975 9 944 975 9 944 975 9 944 975 9 944 975 9 944 975 9 944 975 9 944 975 9 944 975 9 944 975 9 944 975 9 944 975 9 944 975 9 944 975 9 944 975 9 944 975 9 944 975 9 945 9	nading.							1 889	8	878
1 1 266 1 177 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Rughes	14 830	757					4		*910
3 366 1177 1 200 1	dottoh ingon		:		:			50		
1 5 70 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Byde	3 266	1 872					1 909		#09E
1 1 10 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										530*
13 15 16 15 16 15 16 16 16 16 16 16 16 16 16 16 16 16 16	Jerauld									971
1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Jones		:		:					****
19 3100 600 14 316 578 29 776 3 481 29 756 3 481 120 756 810 4 469 2 803 110 69 110 69 110 69 110 69 110 69 110 69 110 69 110 69 110 69 110 69 110 69 110 69	Windshirm.		:		:					
1, 1346 ST8 1982 1982 1982 1982 1982 1982 1982 198	and and and a				:		:			200
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Lawrence	19 380	800							
2 37 6 3 6 7 6 6 6 7 6 7 6 7 6 7 6 7 6 7	* (mood)	14 384	578							
10 23 176 3 481 5 186 5 188 5					:		:			6/6
2 176 3 481 2 176 3 481 2 18 1 311 3 176 3 481 3 18 1 311 3 18 1 311 3 18 1 311 3 18 1 311 3 18 1 311 3 18 1 311 3 18 1 311 3 18 1 311 3 18 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Lynan									576
23.76 2 341 2.356 1.37 10.256 80 2.356 2.356 4.46 2.30 4.460 2.803 2.804 1.304 7.556 80 2.805 2.804 1.304 7.556 80 2.805 2.804 1.304 7.556 80 2.805 2.804 1.304 7.556 80 2.805 2.804 1.304 2.804 7.556 80 2.805 2.804 1.304 2.804 2.804 2.805 2.804 2.	McCook								-	148*
2 555 1311 3 482 2 555 1311 4 5 555 6 555	McPherson									448
21 75 2 1311 10 256 1311 10 256 1311 10 256 1311 10 25 2 1311 10 25	Marshall							n		
2 345 1311 2 345 1311 120 246 1817 13 190 2 383 1 4 469 2 885 1 10 63 1 11 65 1 11 65 1 11 65 1 11 65 1 1 10 65 1 1 1 10 65 1 1 1 10 65 1 1 1 10 65 1 1 1 10 65 1 1 1 1 10 65 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Manda	21 716	3 481							
100 256 810 6 984 6 984 7 989 7 989 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Mellette	2 365	1 311							27.0
150 256 810 6 964	Miner									
TS 700 2 703 2 3715 4 460 2 700 2 715 1 1 105 1 1 1 105 1 1 1 105 1 1 1 105 1 1 1 1	Minnehaha	120 296	810					٠		820¢
15 90 2 702 3 3 115 4469 2 805 4 1169 1 1 1169 1 1 1169 1 1 1169 1 1 1 1	Moody							0		1
4 669 2 885 3 116 4 11 6 2 1 1 1 6 2 1 1 1 6 2 1 1 1 6 2 1 1 1 6 2 1 1 1 6 2 1 1 1 6 2 1 1 1 6 2 1 1 1 6 2 1 1 1 1	Pennington	75 780								
1 (68) 1	Perkins	4 649	2 885							*090
1 093	Potter									9
*Less than .5 psi overpressure	Roberts		•							1095
	Sanborn			Less than .5 ;	si overp	essure		,		ì

STATE OF SOUTH DAKOTA (Continued)

COUNTY	VERY HIGH RISK POPULATION A	AREA	HIGH RISK POPULATION	RISK	AREA	MEDIUM RISK POPULATION	AREA	POP	LOW/NO* R POPULATION	LOW/NO* RISK PULATION	3K	AREA
Shannon									Ξ	11 207	~	2 094
Spink Stanlev	2 451	2 451 1 432		i		2 451 1 432			6	9 081	-	* SOS -
sully				:		***************************************			-	898		972
Todd				i					1	256	-	388*
Tripp				į					1	188	-	618*
Turner				:	:	***************************************	:		6	126		617
Union			:	:	:	***************************************			ę	10 774		453
Walworth			:	:	:				ø	6 624		707
Yankton				i					5	19 123		518
Ziebach			Ŋ	63	2 493 1 969							
TOTAL STATE	290 207 20 782	20 782	2	93	2 493 1 969	ı	ı		416	416 028 53 205	53	205
								_	4	021	ន	10 623)
								_	368 977	977	42	42 582)*

*Less than .5 psi overpressure

OF UTAH -- DIRECT RPFECTS STATE

Estimated 1985 Population: 1,698,867 Land Area: 82,094 square miles

	VERY HIGH RISK	HIGH RISK		MEDIUM RISK		LOW/NO* RISK	A RIS	K	
COUNTY	GT 10 PSI POPULATION AREA	EQ/GT SPSI LT 10PSI POPULATION AREA	10PSI AREA	EQ/GT 2PSI LT 5PSI POPULATION AREA	SPSI	RQ/GT .SPSI LT 2PSI POPULATION AREA	I ISd	AR AR	2PSI AREA
Beaver						5 2	5 280	2 586*	*98
Box Elder Cache	37 769 5 614			66 658	1 171				
Carbon					:	26 132	32	-	44.4
Daggett						80	926	ø	•669
Davis									
Ducheane	16 271 3 234					13 911	Ξ	449	6
Carfield						4 319	119	4 449*	*67
Grand						7 9	7 957	3	689
Iron						20 357	157	3 302*	*20
Juah						6 274	274	3	396*
Kane				4 509	3 898				
Millard			:		:	13 762	162	9	6 818*
Morgan						10	882	9	603
Piute						-	1 476	7	759*
Rich					:	2 6	38	10	1 034*
Salt Lake	716 909 756					5	900	7	7 725*
san Juan							3 5		
Sanpete						-	2	-	9
Sevier						16 360	960	-	1 910*
Summit						13.2	30	-	865
Toosle	29 408 6 519	29 848 4 479	479						
Utah						246 181	181	2 018	2
	•	Less than .5 psi overpressure	overpres	sare					

outinged)	
9	
CLAR	
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STATE	

COUNTY	VERY HIGH RISK POPULATION A	RISK AREA	HIGH RISK POPULATION	AREA	MEDIUM RISK POPULATION	AREA	LOW/NO* RISK POPULATION	LSK
Wasatch Washington Wayne Weber	162 106	\$66			996 901 891		10 044 34 783 2 136	1 191 2 422* 2 461*
TOTAL STATE	1 137 432 17 388	17 388	28 848 4 479	4 479	71 167 5 069	690 9	461 420 (282 697 (178 723	55 158 9 366) 45 792)*

*Less than .5 psi overpressure

RISK RPRCTS -- DIRECT NIMOXM 0 E STATE

Estimated 1985 Population: 521,570 Land Area: 97,086 square miles

	VERY HIGH RISK	HIGH RISK	MEDIUM RISK	LOW/NO* RISK	XISK.	
COUNTY	GT 10 PSI POPULATION AREA	EQ/GT SPSI LT 10PSI POPULATION AREA	BQ/GT 2PSI LT 5PSI POPULATION AREA	BQ/GT .5PSI LT 2PSI POPULATION AREA	AREA	12.42
Albany				30 328	4 286	98
Biq Horn	12 559 3 139					
Campbell				37 605	4 796*	ě
Carbon	7					
Converse	15 207 4 271					
Crook		6 058 2 856				
Fremont				36 886	9	181
Soshen	12 430 2 186					
dot Springs				6 119	8	ě
Johnson				7 107	4	166*
Carante	73 254 2 864					
Lincoln						
Natrona	75 746 5 247					
Stobrara				3 358	2 685*	ŝ
Park	25 213 6 936					
Platte	9 369 2 023					
Sheridan				27 466	~	532*
Sublette			5 572 4 871			
Sweetvater	45 791 10 352					
reton				11 553	4 012*	2
Jinta				26 235	2 085*	3
fashakie				10 106	2 2	243
Weston	8 025 2 402					
NOTAL STATE	313 177 51 368	6 058 2 856	5 572 4 871	196 763	37 991	7
	•	* Less than .5 psi overpressure	ressure	30 328		98
				(TEP 435	33 705)*	25

SUMMARY RISK EPFECTS DIRECT × REGION FEHA

Estimated 1985 Population: 31,504,342 Land Area: 386,970 square miles

	VERY HIGH RISK	RISK	RIGH RISK	Toper	MEDIUM RISK	ILSK LT EDGT	TOW RISK	Y m Juga
STATE	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA
Arizona	2 736 846	66 420	,	1	123 720	6 851	278 422	40 549
							(53 418	11 211)
							(225 004	29 388)+
California	23 833 741 87 405	87 405	I	1	1 192 975 15 170	15 170	1 079 128	53 700
							(728 659	19 776)
							(350 469	33 924)*
Bawa11			[DATA AVALLABLE SEPARATELY]	SEPARU	(TELY)			
Nevada	837 864 37 489	37 489	1	ì	37 553	2 751	62 774	169 69
							3 408	3 851)
							(59 366	65 840)*
American Samoa		:	(DATA AVALLABLE SEPARATELY)	SEPAR	(TELY)			:
Guam			[DATA AVAILABLE SEPARATELY]	SEPAR	vretx]			
Trust Territory			[DATA AVAILABLE SEPARATELY]	SEPAR	VPELY]			:
					ŀ.			1
TOTAL REGION IX	27 408 451 191 318	191 318	1	ŀ	1 354 248 24 772	24 772	1 420 324	24 838)
							(634 839	129 102)*

RISK EFFECTS ARIZONA -- DIRECT STATE OF

		Estimated 1985 Land Area:	Populat:	Estimated 1985 Population: 3,138 988 Land Area: 113,550 square miles				
	VERY HIGH RISK	HIGH RISK		MEDIUM RISK		LOW/NO* RISK	ISK	
COUNTY	GT 10 PSI POPULATION AREA	POPULATION AREA	AREA	EQ/GT 2PSI LT 5PSI POPULATION AREA		EQ/GT .5PSI LT 2PSI POPULATION AREA	5	2PSI AREA
Apache					:	53 418	=	11 211
Cochise	95 247 6 219							
Cocontno	85 381 18 608							
Gila			:		:	38 830	4	4 753*
Graham	***************************************				:	23 316	4	4 631
Greenlee					:	9 640	-	1 837*
Maricopa	1 766 060 9 127							
Mohave	71 818 13 285							
Navajo			:		:	72 022	ø	9.995*
Pima	610 597 9 187							
Pinal			:	102 303 5 343				
Santa Cruz	•••••••••••••••••••••••••••••••••••••••							
Yavapai			:		:	81 196	80	8 122*
Yuma	107 743 9 994							
FOTAL STATE	2 736 846 66 420	1	ı	123 770 6 581		278 422		40 549
					~	53 418		11 211)
						225 004	ç	388)*

*Less than .5 psi overpressure

RISK CALIFORNIA -- DIRECT EFFECTS STATE OF

Estimated 1985 Population: 26,105,844 Land Area: 156,279 square miles

1 199 343 776 1199		RIS	HIGH RISK BQ/GT 5PSI LT 10PSI	10psi	BQ/GT 2PSI LT 5PSI	EQ/GT .SPSI LT 2PSI	LT 2PSI
To 1 190 340 776 To 200 770	COUNTY	POPULATION AREA	POPULATION	AKEA		LOLOWITON	WED
254 451 5 574 51 5 575 51 51 51 51 51 51 51 51 51 51 51 51 51	Mameda						
24 25 25 25 25 25 25 25 25 25 25 25 25 25	Alpine						139*
710 312 750 750 750 750 750 750 750 750 750 750	Amador			:		22	289
776 38 79 79 75 75 75 75 75 75 75 75 75 75 75 75 75	Butte			:		162	1 646
718 382 792 1827 1827 1827 1827 1827 1827 1827 182	Calaveras					26 876	1 021
19 770 180 770 180 770 180 770 180 770 180 770 770 770 770 770 770 770 770 770 7	Colusa					14 543	1 153*
224 259 253 253 253 253 253 253 253 253 253 253	Contra Costa						
254 401 5 578 45	Del Norte						
dt. al spales spales spales spales spales spales	El Dorado					102 112	1 715
dt.	Fresno						
14t 141 mg les m mg eles a a eles eles eles eles eles eles	Glenn					22 999	1 319*
nn ingelee ngelee ngelee ngelee ngelee ngelee ngelee	Humboldt			:	112 294		
m ngeles 's 's 'osa ccino	Imperial						
n ngeles a osa cino	Inyo			:		18 372	10 223*
m ngeles 's 's 'osa cino	Kern						
nngeles a cosa cino	Kings					,	
n e	Lake	•		:		47 940	1 262
8	Lassen						
	Los Angeles						
0	Madera			:		76 585	2 145
	Marin						
	Mariposa			:		13 230	1 456
	Mendocino						
	Merced						
"Less than .5 ps: overpressure	Modoc			:			9 810 4 046
			"Less than .5 p	si overp	ressure		

	VERY HIGH RISK	HIGH RISK		MEDIUM RISK	SK	LOW/NO* RISK	. BI	X.
COUNTY	POPULATION AREA	POPULATION	AREA	POPULATION	AREA	POPULATION	No.	AREA
				1		ď	243	3 019*
Montarev	326 370 3 303				-			
Napa			•	102 667	744	370 03	376	96.0
Nevada			•				2	2
Orange	2 111 396 798							
Dlacer				-	1 416			
1				18 745	2 573			
Diversida	805 521 7 214							
Sacramento	887 649 971						:	
San Benito							200	3
San Bernardino	068 239 20							
San Diego	2 114 283 4 212							
San Francisco	721 187 46							
	411 407 1 415							
San Luis Obispo	184 867 3 308							
San Mateo	609 317 447							
Ganta Barbara	328 764 2 748							
Santa Clara	1 390 579 1 293				1			
Santa Cruz			1	210 206	446	420 480	6	3 706
Shasta	***************************************						2	
Giarra							3 403	959
24-14			:		•		45 354	97 9
Solano	273 235 834							
Sonoma	÷			332 912	*00			
Stanislaus	303 105 1 506							
200								
Tehama			:			•		2 953
Trinity						2	98	3
Tulare			•	279 040	4 808	90	5	2 234*
Tuelume							2	
		"Less than .5 psi overpressure	al over	- Treesar				

STATE OF CALIFORNIA (Continued)

COUNTY	VERY HIGH RISK POPULATION AS	RISK AREA	HIGH RISK POPULATION	AREA	MEDIUM RISK POPULATION AREA	LOW/NO* RISK POPULATION	AREA
Ventura	598 564 1 862	1 862				200	
xoro Xuba	53 263	640			53 263 640		-
TOTAL STATE	23 833 741 87 409	87 409		1	1 192 975 15 170	1 079 128	1 53 700
						(350 469	19 776) 33 924)*

*Less than .5 psi overpressure

RISK RFFECTS HAWALI -- DIRECT 9 STATE

Estimated 1985 Population: 1,057,270 Land Area: 6,427 Square miles

COUNTY	VERY HIGH RISK GT 10 PSI FOPULATION AREA	ISK I AREA	HIGH RISK BQ/GT SPSI LF 10PSI POPULATION AREA	SK UT 10PSI AREA	8.5	MEDIUM RISK GT ZPSI LT	SPSI AREA	LOW/NO* RISK EQ/GT .5FSI LF 2PSI POPULATION AREA	LOW/NO* RISK D/GT .5PSI LT SPULATION	2 5 E	2PS AREA
Hawaii Bonolulu Kalawao Kauai Maui		DATA DATA DATA DATA	(DAYA AVAILABLE SERVARENT) (DAYA MALLABLE SERVARENT) (DAYA MALLABLE SERVARENT) (DAYA MALLABLE SERVARENT) (DAYA MALLABLE SERVARENT)	RATELY] RATELY] RATELY] RATELY] RATELY]					109 953 815 900 144 45 191 86 082	4 034 597 14 620 1 162	034 597 14 620 162
TOTAL STATE	1				1		1	1 057 270	270	6 427	- 2

RISK EFFECTS NEVADA -- DIRECT 9 O STATE

Estimated 1985 Population: 938,191 Land Area: 109,895 square miles

COUNTY	VERY HIGH RISK OF 10 PSI POPULATION AREA	HIGH RISK EQ/GT SPSI LT 10PSI POPULATION AREA	10PSI AREA	MEDIUM RISK BQ/GT 2PSI LT 5PSI POPULATION AREA	LOW/NO* RISK BQ/GT .5PSI LT 2PSI POPULATION AREA	RISK I LT	2PSI AREA
Churchill	14 479 4 990 554 764 7 881						
Douglas Elko Esmeralda				27 345	21 012		17 135* 3 587
Eureka Humboldt Lander					1 342 11 285 4 455 3 493	9 6 5 0	4 175* 9 698* 5 515* 0 635*
Lyon				16 208 2 007	5 961		3 744*
Nye Pershing	15 772 18 155			15 772 18 155	3 587		6 036*
Washoe White Pine Carson City (Ind)	215 966 6 317 36 883 146			215 966 6 317 36 883 146	8 231		8 902*
TOTAL STATE	837 864 37 489	1		37 553 2 715	62 774 (3 408 (59 366		69 691 3 851) 65 840)*

*Less than .5 psi overpressure A-273

			Land Area: 77 square miles	square	niles		
COUNTY	VERY HIGH RISK GT 10 PSI POPULATION A	RISK SI AREA	HIGH RISK BQ/GT 5PSI LT 10PSI POPULATION AREA	10PSI AREA	MEDIUM RISK BQ/GT 2PSI LT 5PSI POPULATION AREA	LOW/NO* RISK EQ/GT .5PSI LT 2PSI POPULATION AREA	T 2PS
itire Territory			DATA AVAILABLE	SEPARAT	Entire Territory	35 000	77
TOTAL TERRITORY			1	1	}	35 000	77

RISK RPFECTS GUAM -- DIRECT 0 6 TERRITORY

COUNTY	VERY HIGH RISK GT 10 PSI POPULATION A	ISK II	LAND AFEA: 209 Square miles HIGH RISK MEDIUS EQ/GT 5PSI IT 10PSI EQ/GT 2PS EAR POPULATION AREA POPULATION	19 square SK AT 10PSI AREA	miles MEDIUM RISK EQ/GT 2PSI LF SPSI POPULATION AREA	SK A SPSI AREA	LOW/NO* RISK EQ/GT .5PSI LF ZPSI POPULATION AREA	AREA
Entire Territory [DATA AVAILABLE SERARATELY]			DATA AVAILABLE	SEPARAT	ELY]		112 900	209

*Less than .5 psi overpressure

TOTAL TERRITORY

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C. W. TRUBH TREFITORY II DIRECT REFIREMENT RIES		MEDIUM RISK LGW/NO* RISK EQ/GT 2PSI LT 5PSI EQ/GT .5PSI LT 2PSI POPULATION AREA POPULATION AREA	
DIRECT	ion: 116,149 ware miles		
RITORY	Estimated 1980 Population: 116,149 Land Area: 533 square miles	HIGH RISK EQ/GT 5PSI LT 10PSI POPULATION AREA	
S. TRUST TER	Bst	VERY HIGH RISK GT 10 PSI POPULATION AREA	
:		COUNTY	

		-				-	-	-
TOTAL TERRITORY	ŀ	I	1	ł	ł	ł	116 149	533
		*Tee	ss than .5	*Less than .5 psi overpre	ssure			

Entire Territory[DATA AVAILABLE SEPARATELY]........ 116 149

533

SUMMARY RISK X -- DIRECT EFFECTS REGION K H H H

Estimated 1985 Population: 8,634,750 Land Area: 815,946 square miles

	HOAL HUME	MY 6016	MOAN MAKE		MUNICIPAL BRANCH	,		10.00	,,,,,	
	GT 10 PSI	KLSK SI	BO/GT SPSI LT 10 PSI	TS DE	BO/GT 2PSI LT 5PSI	LT SPSI	5/02	EO/GT . SPSI LT 2PSI	7 15	PSI
STATE	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA	POPU	POPULATION	*	AREA
Alaska			(DATA AVAILABLE SEPARATELY)	LABLE SE	PARATELY]					:
Idaho	363 270	8 838	22 102	468	105 730 3 336	3 336	52	523 179	69	69 277
							144	4 356	7	11 652)
							378	8 823	57	57 625)*
Oregon	1 043 460 14 949	14 949	45 358	741	532 016	4 639	1 06	1 063 092	75	75 858
							(277	7 287	ន	10 664)
							(785	5 885	9	194)*
Washington	3 838 312	38 943	1	1	63 737	2 330	200	0 223	25	25 239
							(231	1 863	13	13 409)
							(208	9 360	23	930)*
TOTAL REGION X	5 245 042 62 730	62 730	67 460	1 209	701 483 10 305	10 305	2 08	2 086 494	170 374	374
							(653 5	3 506	35	35 725)
							(1 432	2 988	134	649)

*Less than .5 psi overpressure

RISK -- DIRECT EFFECTS ALASKA 9 STATE

. Bstimated 1985 Population: 534,271 Land Area: 570,833 square miles

VERY HIGH RISK GT 10 PSI POPULATION AREA	HIGH RISK EQ/GT SPSI LT POPULATION	E 10PSI AREA	MEDIUM RISK RQ/GT 2PSI LT 5PSI POPULATION AREA	PSI	EQ/GT .	LOW RISK T.SPSI LATION	LT 2P	18 4
					'	1 3	1	1 8
					230	909	2 *	732
DATA					12	358	36	10,2
				:	-			531
				:	4		46	042
				:	99	320	7	7 404
		:		:	-	166	8	374
A AV	AILABLE	:		:	24	835	N	626
				:	43	080	16	16 056
				:	13	381	-	242
				:	ıs	768	31	31 593
				:	11	229	4	796
	SEPARATELY]			:	32	533	24	502
				:	7	758	23	871
				:	S	303	90	955
				:	s	077	7	7 660
				:	7	344	8	2 938
				:	4	890	13	239
		:		:	9		24	24 169
				i	8	583	33	529
				:	s	725	17	17 816
		:		:	ø	396	S	5 965
				:	6	193	159	660
	A A A A A A A A A A A A A A A A A A A	ONTIANTS AND SUPPLIFIES	AND	INTERNAL NON-INTERNAL AND PROPERTIES A	AND SOUTHWEST AND A SOUTHWEST	· I	· I	200

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TOTAL STATE

RISK STATE OF IDAHO -- DIRECT EFFECTS

Estimated 1985 Population: 1,014,281 Land Area: 82,414 square miles

COUNTY	VERY HIGH RISK GT 10 PSI POPULATION AREA	HIGH RISK EQ/GT SPSI LT 10PSI POPULATION AREA	10PSI AREA	MEDIUM RISK BQ/GT 2PSI LT 5PSI POPULATION AREA	LT SPSI AREA	LOW/NO* RISK EQ/GT .5PSI LT 2PSI POPULATION ARBA	SI L	T 2PS	II e
Adams	193 281 1 052					3 432	2	1 362*	1 :
Bear Lake Benewah	71 - 65 60					. 7 181	± 8	784	
Bingham Blaine Boine Bonner Bonneville	38 633 2 096			38 633	2 096	13	418 907 862	2 635* 1 901 1 727*	4-6
Boundary Butte Camas Canyon Caribou	8 673 1 763					3 3 88	620 359 765 722	2 236* 1 071* 584	* * * *
Cassia Clark Clearwater Custer Elmore	22 24 3 071					21 10 6	278 779 291 866	2 560* 1 763* 2 236* 4 927*	* * * *
Franklin Fremont Gem Gooding Idaho	Tage than 5 pt overposeuro	Less than .5 psi overpressure	overpr	essure		e 01 12 14	996 460 580 527	664* 1 852* 558 728* 8 497*	44044

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COUNTY	VERY HIGH RISK POPULATION A	RISK AREA	HIGH RISK POPULATION	K AREA	MEDIUM RISK POPULATION	ISK AREA	LOW/NO*	LOW/NO* RISK PULATION	SK AREA	s
Jefferson Jerome Kootenai			67 997 1 240		67 097	1 240	\$ 5 E	16 569 16 212 30 625	1 093	093 601* 077*
Lemhi							7	7 891	ą.	564*
Lewis								3 922	4 6	478*
Lincoln Madison							2 2	102	4.	468*
Minidoka Nez Perce								254	ω.	845*
Oneida								3 539	1 200	1 200*
Owyhee							-	15 937		405*
Power			6 852 1 403	- 403				16 897	5 6	2 641*
Teton Twin Falls Valley Washington							-,	3 302 56 904 7 000 8 572	4004	448* 1 944* 3 670* 1 454*
TOTAL STATE	363 270	8 838	22 102	468	105 730	3 336	523 (144 (378	523 179 144 356 378 823	69 277 11 652) 57 625)	277 652) 625)*
		•		-						

*Less than .5 psi overpressure

-- DIRECT EFFECTS RISK OREGON 9 P STATE

Estimated 1985 Population: 2,683,926 Land Area: 96,187 square miles

COUNTY		TOWN TOWN			VERY VOTORS						
	GT 10 PSI POPULATION AREA	EQ/GT SPSI LT 10PSI POPULATION AREA	JT 10PSI ARBA		EQ/GT 2PSI LT 5PSI POPULATION AREA	L	SPSI	EQ/GT SPSI LT 2PSI POPULATION AREA	SPSI	17	2PSI AREA
								9	16 399	-	3 072*
Benton								9	65 950		£4649
Clackanas			i		255 328		1 870				
Clatsop	32 360 805										
Columbia	37 060 651										
Coos	60 458 1 606										
Crook	***************************************		:	:	:	:	:	13	13 003	~	2 984
Curry			:	:	:	:	:	19	16 878	-	1 629
Deschutes			:	:	:	:	:	65	782	8	3 025*
Douglas			:	-	i	i	1	91	608	ě.	044
Gilliam						i		-	883	-	1 213*
Grant			:	:	:	:	:	8	231	4	4 525*
Harney	***************************************		:	:	:	:	:	9	686 9	e	10 174*
Hood River				:	•	:	i	16	16 536		521*
Jackson			i		:	:	:	136	196	~	787
Jefferson						:	:	12	12 797	-	*684
Josephine			:	:	:	÷	:	26	672	-	640*
Klamath	58 300 5 954										
Lake	***************************************		:	:	:	:	:	-	880	80	8 251*
Lane						i		264	264 127	4	562*
Lincoln					į	i	:	37	132		086
Linn			-			i	1	96	950 06	7	2 296
Malheur			:	:	:	:	:	53	073	đ	861*
Marion	211 140 1 184										
Morrow			:	:	7 813		2 044				

STATE OF OREGON (Continued)

LOW/NO* RISK

MEDIUM RISK

HIGH RISK

VERY HIGH RISK

COUNTY	POPULATION	AREA	POPULATION	AREA	POPULATION	AREA	POPULATION	NOI	2	AREA
Multnomah Polk Sherman	561 570 431	431	561 570 431 45 358 741	741				2 294		827*
Tillamook Umatilla	21 679 60 893	3 217								
Uniton								24 745	2	2 036*
Wallowa				:			7	595	m	150*
Wasco								22 521	7	2 385*
Washington	:				. 268 875	725				
Wheeler								1 489	-	1 713*
Yamhill							1	58 290		715
TOTAL STATE	1 043 460 14 949	14 949	45 358	741	532 016	532 016 4 639	1 063 092	092	75	75 858
							(785 8	287	07 59	10 664) 65 194)*

*Less than .5 psi overpressure

RISK RPFECTS STATE OF WASHINGTON -- DIRECT

Rstimated 1985 Population: 4,402,272 Land Area: 66,512 Square miles

COUNTY	CT 10 PSI POPULATION AREA	EQ/GT SPSI LT 10PSI POPULATION AREA	r 10PSI AREA	EQ/GT 2PSI LT 5PSI POPULATION AREA	SPSI AREA	LOW/NOT RISK EQ/GT . SPSI LT 2PSI POPULATION AREA	LOW/NO* RISK /GT .5PSI LT PULATION	65	2PSJ AREA
Idams						13	13 664	-	922
Asotin	***************************************				:	17	17 309	•	635*
Benton	113 359 1 715								
Chelan	***************************************		1		:	49	587	2	915*
Clallam	52 381 1753								
Clark	207 459 627								
Columbia					-	4	4 031	-	86.4*
Cowlitz	79 164 1 139								
Douglas			:			54	24 068	-	1 817*
Ferry					i	9	6 023	24	2 200*
Franklin				36 914 1 243	43				
Jarfield						2	2 567		*907
Grant	52 678 2 660								
3rays Harbor			:		:	99	64 224	1 918	18
Island	48 374 212								
Jefferson	17 748 1 805								
Xing	1 337 360 2 128								
Kitsap	169 172 393								
Kittitas	***************************************		:		:	25	25 016	N	2 308
Klickitat					į	16	603	-	1 880*
Lewis					:	57	735	~	2 409*
Lincoln					:	a	9 627	2	310
Mason					:	35	586	Oi	961
Okanogan	17 922 908			17 922 9		33	33 037	IO.	281*
		Want that 5 and assessment	-						

STATE OF WASHINGTON (Continued)

COUNTY	POPULATION A	AREA	POPULATION	AREA	POPULATION	ULATION AREA	POPULATION		AREA
Pend Oreille							8 90	8 902 1 400*	400
Pierce San Juan	523 288 1 675	1 675	523 288 1 675		8 901	179			
Skagit Skamania	70 097	70 097 1 735			70 097 1 735			7 467 1 672*	672*
Snohomish	375 615								
Spokane	355 552	1 764			355 552 1 764		31 565 2 468		468
Thurston	141 832	727		i	141 832 727		3 681	_	261
Walla Walla					407 4 200 477		48 500		1 261
Whitman	13 08/	113 087 2 123			113 087 2 123		41 031 2 151*		15

*Less than .5 psi overpressure

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TOTAL STATE